



Graven Hill, D1 Site, Bicester.

Arboricultural Impact Assessment

June 2022

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Executive Summary

The Employment Land (D1) site at Graven Hill (hereafter referred to as the 'Site') is being considered for redevelopment. The Site forms part of the wider Graven Hill Village Development which is located approximately 3km south of Bicester in Oxfordshire. The development proposals (hereafter referred to as the 'Development') are for the creation of up to 104,008 sq. m (GIA) of B8 'Storage or Distribution' Use Class) with associated infrastructure and areas of hard and soft landscaping.

The Site is approximately 31.1 Hectares (ha) in area and centred on NGR SP 59289 19806

A tree survey of the Site was undertaken in April 2022 and the results of that tree survey exercise have been used to form the basis of this report. That tree survey and the recommendations made in this report follow the principles of BS5837:2012 Trees in Relation to Design, Demolition and Construction – Recommendations¹ (BS5837) and relevant Cherwell District Council planning policy.

A total of 332No. individual trees, groups of trees and woodlands were recorded as part of the tree survey. Of these arboricultural features, 8No. were awarded a high A grade, 113No. a moderate B grade and 189No. were awarded a low C grade. The remaining 22No. were awarded a very low U grade and should be removed for reasons of sound arboricultural management irrespective of any development proposals.

At the time of writing this report, none of the trees present on the Site were afforded protection through the provisions of a Tree Preservation Order and no part of the Site is located within a Conservation Area.

The purpose of this Arboricultural Impact Assessment (AIA) is to evaluate the direct and indirect effects of the proposed design on the tree stock present both on and adjacent to the Site. In line with Annex B of BS5837, it also contains sufficient information to be submitted in support of any planning application pertinent to the Site and the design layout shown on **Drawing 2**.

A total of 142No. arboricultural features will be removed to facilitate the Development. Of these, 4No. were awarded a high A grade, 38No. a moderate B grade and 94No. were awarded a low C grade. A further 6No. U grade trees will be removed for reasons of sound arboricultural management.

¹ British Standard Institution (2012) BS5837 Trees in Relation to Design, Demolition and Construction - Recommendations



1. Introduction

- 1.1. Waterman Infrastructure & Environment Limited (Waterman) was instructed by Graven Hill Purchaser Ltd. (hereafter referred to as the 'Applicant') to undertake an Arboricultural survey and Impact Assessment (AIA) of the proposed B8 Use Class at Project D1 Graven Hill, in support of an outline planning application.
- 1.2. Outline permission was previously granted for Employment Use associated with Project D1 Graven Hill Development, based on a mix of B1 (revoked now E(g)), B2 and B8 Use Class. The proposal is now for 100% B8 land-use.
- 1.3. The Site is within the jurisdiction of Cherwell District Council (CDC)
- 1.4. **Figure 1** presents the Development location and illustrative layout, which comprises 100% B8 Use Class.

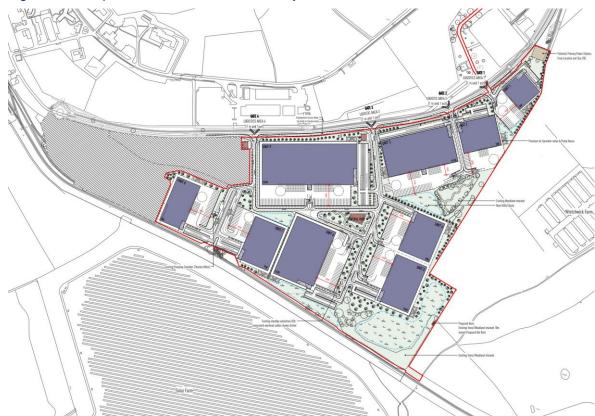


Figure 1 Development location and illustrative layout

- 1.5. The purpose of this AIA is to evaluate the direct and indirect effects of the illustrative design on the tree stock present both on and adjacent to the Site. It includes recommendations for an appropriate level of mitigation and/or compensation where necessary.
- 1.6. It documents the findings of a baseline survey of the arboricultural features on and immediately adjacent to the Site. The above and below ground constraints posed by the canopy shape and subterranean rooting area of the surveyed trees are described.
- 1.7. This report should be read in conjunction with the other documents, plans and technical studies submitted to support the proposed development of the Site.



1.8. Trees are a material consideration in the planning process and as such, the information within this report has been aligned where possible with the general policies and development objectives of the relevant planning policies outlined within **Appendix A** and the principles set out in BS5837.



2. Site Description

2.1. The Site is within the southern area of the Graven Hill Village Development scheme which is a new Garden Town currently being built out in phases comprising predominantly of residential use on former MoD land. The Development, which is the subject of this report, is located south of the Employment Access Road (EAR), which is also currently being constructed.

Photograph 1: Typical view across the Site.





3. Tree Survey Methodology

- 3.1. A tree survey of the wider Graven Hill site (including this Site) was carried out between August and October 2018. The existing tree survey data has been used as the basis for this AIA. However, it was updated through a walkover of the Site on the 4th April 2022. The purpose of the walkover survey was to confirm which trees were still present on Site, and if the condition of any of those trees has changed in the 4 years since the original survey was completed. The tree survey methodology followed the recommendations set out in BS5837.
- 3.2. The survey involved collecting the following information on all trees (both on and off-site) with a stem diameter over 75mm which have the potential to influence the proposed Development.

Tree Numbers

3.3. Individual trees surveyed were given the prefix 'T'. Trees have been grouped where they form cohesive aerodynamic (i.e. companion shelter), visual (i.e. screening) or cultural (i.e. parkland) arboreal features of similar quality, as identified by the prefix 'G'. Hedges and Woodland groups were given the prefixes 'H' and 'W' respectively.

Species

3.4. Species are listed by both their common name and Latin name in the schedule in **Appendix C** and by their common name in the body of the report.

Height

3.5. Tree heights are approximate and estimated in metres.

Stem Diameter

3.6. The stem diameter of single stemmed trees is measured at 1.5m above ground level and given in millimetres. The diameter measurement of multi-stemmed trees is shown as a measurement of each major stem present. Where stems fork or swell, the measurement is taken at the narrowest point below the fork or swelling. Where access to the trunk of a tree is not available, an estimation of the stem diameter is made and identified by '*' on the accompanying tree survey table.

Crown Spread

3.7. Radial crown spread is measured in metres to the nearest 0.5m (rounded up). These are recorded for each of the four cardinal points where access allows. Where access is not available the crown spread is a visual estimate derived from site-based observations and identified by '*' on the accompanying tree survey table. As such, the canopy shape for surveyed trees depicted on the accompanying plans accurately represents the canopy spread as measured on Site.

Height of Crown Clearance and Canopy

3.8. The height of crown clearance is the height above ground in metres of the first significant branch and the direction of growth. The height of canopy is the average height above ground in metres of the main canopy. These are measured to the nearest half metre (rounded up) for dimensions up to 10m and the nearest whole metre for dimensions over 10m.



Age Class

3.9. The age of each tree is defined as follows:

Young (Y): Within the first 1/4 of useful life expectancy.
 Semi-mature (SM): Within the second 1/4 of useful life expectancy.
 Early Mature (EM): Within the third 1/4 of useful life expectancy.
 Mature (M): Within the fourth 1/4 of useful life expectancy.
 Over Mature (OM): Tree has exceeded normal life expectancy.
 Veteran (V) Tree displaying veteran characteristics ².

Physiological and Structural Condition

- 3.10. The physiological or structural condition of each tree, tree group, hedgerow and woodland is described, highlighting specific features. The survey involved ground level examination of the external features of the trees. The structural condition for each tree is described as being Good, Fair or Poor and the physiological condition is described as Good, Fair, Poor, Moribund or Dead.
- 3.11. Where appropriate, notes on the structural integrity are provided on form, taper, forking habit, storm damage, decay, fungi, pests, etc. Where identified, signs of substantial defects or debility have been recorded. Where access to a tree was not possible, an estimation of physiological and structural condition has been made.

Estimated Remaining Contribution (ERC) in Years

3.12. The Estimated Remaining Contribution (ERC) for each tree is based on species and the existing physiological and structural condition of the tree. The ERC may affect proposed development layout because the longer the tree is likely to live, the greater the contribution it will make and the greater the need for retention.

Category Grading

3.13. Each individual tree was given a Category Grading in accordance with BS5837 to reflect their overall quality and value. Further details of the tree categorisation method can be found in Appendix B and Section 7 of this report.

Preliminary Management Recommendations

3.14. Any recommendations made for management of the trees (for example, tree surgery) prior to development are not a 'specification' for tree work. These recommendations are proposed on the basis that they are undertaken by a qualified arboricultural contractor, such as those listed in the Arboricultural Association's Approved Contractors Directory (www.trees.org.uk). Any work

² http://www.ancienttreeforum.co.uk/ancient-trees/what-are-ancient-veteran-trees/



undertaken by the contractor should be in accordance with best practice, such as the European Tree Pruning Guide³, or required by BS3998: 2010 'Tree work – recommendations'⁴.

3.15. Where management recommendations are made, they are accompanied by a recommended timeframe in which they should be undertaken.

³ European Tree Pruning Guide, 2001, Arboricultural Association

⁴ BS3998:2010 'Tree work - recommendations', 2010, BSI



4. Root Protection Area

4.1. The Root Protection Area (RPA) of a tree is defined in BS5837 as a "layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability and where the protection of the roots and soil structure is treated as a priority". For single stemmed trees it is equivalent to a circle with a radius 12 times the stem diameter when measured at 1.5m above ground level. BS5837 outlines the calculation of RPA as follows:

$$RPA(m^2) = \left(\frac{\text{stem diameter (mm)} @ 1.5 \text{ m} \times 12}{1000}\right)^2 \times \pi \text{ (3.142)}$$

- 4.2. Trees with more than one stem originating below 1.5m above ground level are given an aggregate stem diameter using either of the following two calculations as outlined in BS5837. This diameter is then used in the above calculation to estimate RPA:
 - a) For trees with two to five stems:

$$\sqrt{\text{(stem diameter 1)}^2 + (\text{stem diameter 2)}^2 ... + (\text{stem diameter 5})^2}$$

b) For trees with more than five stems:

$$\sqrt{\text{(mean stem diameter)}^2 \text{ x number of stems}}$$

- 4.3. The RPA of existing tree stock is an important material consideration when considering site constraints and planning development activities.
- 4.4. Unless there is an overriding justification for them, construction activities, materials storage or changes in level should be avoided within the RPA of a retained tree. This is because these operations have the potential to damage or kill the tree, the safe retention of which may be a condition of planning permission. If operations are proposed within the RPA of a retained tree, it may be necessary to prove to the relevant Local Planning Authority that:
 - All other alternative solutions have been explored and proven unviable;
 - That the tree can remain viable and that the area lost to encroachment can be compensated for elsewhere, contiguous with its RPA;
 - That mitigation measures can be put in place to improve the soil environment that is used by the tree (if necessary).



5. Limitations

- 5.1. This report is intended to assist with the planning and management of construction, refurbishment and/or demolition operations under current best practice guidance. It focuses on measures which will need to be implemented to ensure the protection of retained trees. It is the responsibility of the design team and site manager to ensure that any recommendations made also comply with all relevant health, safety and construction guidance and legislation.
- 5.2. This report is concerned with the arboricultural features of the Site only. Ground condition/history information has not been consulted as part of this assessment (such as history of ground disturbance, root damage, changes in soil levels, previous utility installations or changes in site conditions) unless otherwise stated.
- 5.3. All trees were visually inspected from ground level with no climbing, boring or core sampling undertaken. All measurements are metric and approximate. The comments made are based on observable factors present at the time of inspection.
- 5.4. The tree survey was based upon existing topographical information relating to the Site, produced by MK Surveys (project ref. 20338 revision 2 dated October 2015). For the purposes of this report, it is assumed that the detail of the topographical survey is accurate and correct.
- 5.5. The design and construction of foundations on Site should be informed by appropriate soil sampling and laboratory testing in accordance with Chapter 4.2 of 'Building Near Trees' of the National House Building Council's Standards 2019. This report does not specifically relate to risks associated with subsidence, heave or other forms of disturbance associated with tree root growth or tree removal.
- 5.6. This report is not intended to confirm the safety (or otherwise) of surveyed trees or tree groups. References to defects or potential safety issues are not exhaustive and are intended as a guide only to inform the provision of further resources / more detailed investigations. The persons(s) responsible for the management of trees surveyed as part of this report are recommended to commission a separate Tree Condition Survey by a suitably qualified and experienced person in order to manage the health and safety aspects of trees under their control and discharge their reasonable 'Duty of Care' owed under the Occupiers' Liability Act 1984⁵.
 - Owing to the changing nature of trees as living, dynamic features and other Site circumstances, the baseline survey results are representative of the arboricultural features on the date of survey only and are subject to change. The impact assessment is based on development proposals as provided to Waterman IE and contained in **Drawing 3.** Any alteration to the application Site or development proposals could change the current circumstances and may invalidate this report and any recommendations made.
- 5.7. Unless otherwise stated, trees should be inspected regularly to satisfy the 'Duty of Care' owed under the Occupiers' Liability Act 1984⁶, or directly after heavy storms (i.e. force 6-7 and above on the Beaufort scale). It is recommended that advice from an ecologist is sought prior to carrying out any works to trees, in order to ensure these are carried out in accordance with (in particular) the

⁵ Occupiers' Liability Act 1957 and 1984. HMSO

⁶ Occupiers' Liability Acts 1957 and 1984. HMSO



protection afforded to wild birds and bats under The Wildlife and Countryside Act7 and The Conservation of Habitats and Species Regulations⁸.

 $^{^7\,}$ The Wildlife and Countryside Act 1981 (as amended), OPSI $^8\,$ The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019, OPSI



6. Tree Preservation Orders and Conservation Areas

- 6.1. Under Part VII of the *Town and Country Planning Act 1990* and as amended in the *Town and Country Planning (Tree Preservation) (England) Regulations 2012*, local planning authorities are given the powers to protect trees, groups of trees and woodlands through the provisions of a Tree Preservation Order (TPO). TPOs prohibit:
 - cutting down;
 - topping;
 - lopping;
 - uprooting;
 - wilful damage; and
 - wilful destruction

without the local planning authority's written consent.

- 6.2. All trees with a stem diameter above 75mm in diameter when measured at 1.5m above ground level are also afforded protection if they are located within a Conservation Area.
- 6.3. A check carried out on the 26th May 2022 of the Cherwell District Council on-line mapping portal⁹ has indicated that none of the trees present on the Site were afforded protection through the provisions of a TPO and no part of the Site is located within a Conservation Area.
- 6.4. Further details on TPOs and Conservation Areas can be found in Appendix A.

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7. Existing Tree Stock

7.1. Further details relating to the existing tree stock on or adjacent to the Site can be found in **Appendix C** and on **Drawing 1**.

Quality Category Grading

- 7.2. Each arboricultural feature was given a Category Grading in accordance with the principles of BS5837. The Category Gradings are defined according to the following criteria, which are further divided into sub-categories based on arboriculture, landscape and/or historic/cultural value, as defined within BS5837 and contained at **Appendix A**. Table 1 summarises the arboricultural features by category.
 - Category Grading A: Trees of high quality and value (with an estimated remaining life expectancy of at least 40 years) (coloured green on **Drawing 1**).
 - Category Grading B: Trees of moderate quality and value (with an estimated remaining life expectancy of at least 20 years) (coloured blue on **Drawing 1**).
 - Category Grading C: Trees of low quality and value (with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter less than 150mm) (coloured grey on **Drawing 1**).
 - Category Grading U: Trees which 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 (coloured red on Drawings 1).



Table 1 Summary of tree features by category

| | | Tree Nun | nbers & BS5837 Categories | | |
|-----------|-------------|--|--|---------------------|-------|
| | Cat A | Cat B | Cat C | Cat U | Total |
| Trees | T492, T493, | T283, T300, T328, | T228, T282, T284, T285, | T288, T308, | 302 |
| | T494, T531, | T338, T340, T358, | T286, T287, T317, T318, | T349, T350, | |
| | T535, T538, | T359, T360, T361, | T319, T320, T321, T322, | T366, T409, | |
| | T659, T662 | T363, T368, T369, | T323, T324, T325, T326, | T414, T415, | |
| | | T370, T373, T375, | T327, T329, T330, T331, | T533, T552, | |
| | (8No.) | T376, T377, T379, | T332, T333, T334, T335, | T558, T573, | |
| | | T380, T381, T383, | T336, T337, T339, T342, | T583, T603, | |
| | | T384, T385, T386, | T343, T344, T346, T352, | T607, T614, | |
| | | T388, T389, T390, | T353, T354, T355, T356, | T615, T616, | |
| | | T392, T393, T394, T395, T397, T400, | T357, T362, T364, T365, | T619, T702, T896 | |
| | | T401, T404, T412, | T367, T378, T396, T398, T399, T402, T403, T405, | 1090 | |
| | | T424, T425, T426, | T406, T407, T408, T410, | (0011) | |
| | | T427, T474, T475, | T411, T416, T417, T418, | (22No.) | |
| | | T476, T485, T488, | T411, T410, T417, T410, T419, T421, T422, T434, | | |
| | | T496, T497, T510, | T463, T477, T478, T479, | | |
| | | T517, T536, T542, | T481, T483, T484, T486, | | |
| | | T544, T547, T554, | T487, T490, T491, T495, | | |
| | | T559, T560, T561, | T498, T499, T500, T501, | | |
| | | T562, T563, T564, | T506, T507, T508, T509, | | |
| | | T565, T566, T569, | T511, T513, T514, T519, | | |
| | | T587, T593, T595, | T520, T521, T522, T532, | | |
| | | T598, T600, T601, | T534, T537, T539, T540, | | |
| | | T602, T604, T605, | T541, T543, T545, T546, | | |
| | | T608, T613, T626, | T548, T550, T551, T553, | | |
| | | T628, T630, T633, | T555, T567, T568, T571, | | |
| | | T634, T635, T646, | T574, T577, T581, T582, | | |
| | | T650, T651, T656, | T584, T585, T586, T588, | | |
| | | T691, T696, T698, | T589, T590, T591, T592, | | |
| | | T699, T701, T703, | T594, T596, T597, T599, | | |
| | | T704, T706, T708, | T606, T609, T610, T611, | | |
| | | T711, T712, T713, | T612, T618, T620, T621, | | |
| | | T714, T718, T719, | T622, T623, T624, T625, | | |
| | | T729, T730, T732 | T627, T629, T631, T632, | | |
| | | | T636, T637, T638, T639, | | |
| | | (102No.) | T640, T641, T642, T643, | | |
| | | ·/ | T644, T653, T654, T655, | | |
| | | | T657, T658, T661, T664, | | |
| | | | T666, T668, T671, T674, | | |
| | | | T676, T692, T693, T694, | | |
| | | | T695, T697, T700, T705, | | |
| | | | T709, T710, T715, T716, | | |
| | | | T717, T731 | | |
| | | | (170No.) | | |
| Groups | N/A | G382, G387, G391, | G341, G345, G347, | N/A | 27 |
| | | G423, G431, G473, | G348, G371, G372, | | |
| | | G572, G580 | G374, G413, G420, | | |
| | | | G428, G430, G432, | | |
| | | (8No.) | G433, G480, G482, | | |
| | | , , | G489, G575, G660, G663 | | |
| | | | (19No.) | | |
| Woodlands | N/A | W307, W316, W429 | N/A | N/A | 3 |
| | | (3No.) | | | |
| Hedgerows | N/A | N/A | N/A | N/A | 0 |
| Total | 8 | 113 | 189 | 22 | 332 |
| | | | | | |



8. Arboricultural Impact Assessment

- 8.1. The illustrative Development proposals, as shown on **Figure 1** and on the Tree Retention and Removal Plan which is contained as **Drawing 2** comprise the creation of new B8 class commercial properties and their associated areas of hard and soft landscaping as well as a number of ancillary buildings.
- 8.2. As this is an Outline Planning Application, this AIA is based on the indicative masterplan layout only. It will only be possible to assess the exact impact on the trees at the site once the Reserved Matters applications have been submitted to the Council for consideration.
- 8.3. The proposed layout shown on **Drawing 2** was taken from the Indicative Proposed Plan (Drawing ref. 410_S-50) which is contained as **Drawing 3**.
- 8.4. The relationship between the proposed Development and the existing tree stock has been assessed taking into account existing site-specific factors such as topography, waterbodies and existing built form.
- 8.5. **Table 2** identifies those trees which will need to be removed to facilitate the proposed layout as shown on the Indicative Proposed Plan (**Drawing 3**)

Table 2 Arboricultural Impact Assessment

| | | | Tree Numbers | | |
|---------------------|-------------------------------------|---|--|---|-------|
| | Cat A | Cat B | Cat C | Cat U | Total |
| Trees to be removed | T492, T493, T494, T531 (4No.) | T328, T358, T359, T360, T361, T363, T368, T369, T370, T377, T392, T393, T394, T395, T397, T400, T401, T404, G423, T425, G428, W429 (in part), G431 (in part), G473, T474, T475, T476, T485, T488, T496, T497, T510, T511, G516, T517, G518 (in part), T565, T569 (38No.) | T317, T318, T319, T320, T321, T322, T323, T324, T325, T326, T327, T328, T329, T330, T331, T332, T333, T334, T335, T336, T337, T342, T343, T344, G345, T346, G347, G348, T352, T353, T354, T355, T356, T357, T362, T364, T365, T367, T362, T364, T365, T367, G371, T378, T396, T398, T399, T402, T403, T405, T406, T407, T408, T410, T411, G413, T416, T417, T418, T419, G420, T421, T422, G430, G432, T434, T477, T478, T479, G480, G482, T483, T484, T486, T487, G489, T490, T491, T495, T498, T499, T500, T501, T506, T507, T508, T509, G512, T513, T514, G515, T519, T520, T521, T522, T532, T567, T568 | T349, T350, T366, T409, T414, T415 (6No.) | 142 |



9. Proposed Tree Planting

- 9.1. The majority of the arboricultural features proposed for removal have been categorised as either low C grade, or very low U grade trees and groups.
- 9.2. To mitigate for the loss of these trees, indicative planting proposals have been developed and these are shown on **Drawing 3**.
- 9.3. As the majority of the trees being removed are low or very low C or U grade trees, the new tree planting provides the opportunity to ensure the long-term value of the tree stock on the Site through improvements in tree quality, species diversity and planting environment.



10. Proposed Tree Works

- 10.1. **Table 1** provides details of all trees and tree groups which will be removed to facilitate the Development based on the layout shown on the Indicative Proposed Plan.
- 10.2. These tree works will not be undertaken until a full planning approval has been granted for the proposed Development and they will be undertaken by a suitably qualified, experienced and insured tree works contactor with the works compliant with best practice, such as the European Tree Pruning Guide¹⁰, or required by BS3998: 2010 'Tree Work Recommendations'¹¹.
- 10.3. Tree work will be timed to avoid the bird nesting season and other potential ecological constraints with legally protected species, subject to consultation with an ecologist. If required, tree surgery work on trees with deadwood, cavities, split/lifted bark and dense ivy should be carried out under an Ecological Watching Brief. Care will be taken not to damage any surrounding vegetation to be retained.

European Tree Pruning Guide, 2001, Arboricultural Association

BS3998:2010 'Treework - Recommendations', 2010, BSI



11. Recommendations for Tree Protection

- 11.1. Where new development is proposed, and existing trees are expected to be retained and impacted, appropriate measures will need to be taken to protect them. Tree protection on development sites is of paramount importance if trees are to be retained successfully. The part of a tree most susceptible to damage is the root system, especially as most of the sensitive feeder roots are located within the top 600mm of soil, extending radially for distances frequently in excess of tree height (in normal rooting conditions). The factors which most commonly affect oxygen and water diffusion, causing root damage (and therefore must be avoided) include:
 - Compaction of the ground;
 - Any change in soil levels (even if temporary), including ground excavation and soil stripping;
 - Covering the root zone with impervious surfaces;
 - A rise in the water table level or ground saturation; and
 - Damage by the direct toxicity of some materials (petrol, oil and lime in cement can kill underlying roots.
- 11.2. To prevent harm to retained trees, protective barriers will be erected in accordance with BS5837 to protect the ground surface from compaction or excavation, and canopies from physical damage. These barriers will be fit for the purpose of excluding construction activity and the default position will be that they consist of a vertical and horizontal scaffold framework, well braced to resist impacts, as illustrated in **Appendix D.** Vertical tubes should be spaced at a maximum interval of 3 m and driven securely into the ground. Onto this framework, welded mesh panels should be securely fixed. All-weather notices such as those in **Appendix E** will be attached to the barriers.
- 11.3. Protective fencing will be erected before any other materials or machinery are brought onto the Site and before any excavation takes place. Unless agreed with Cherwell District Council, no access for construction work or for personnel is to be allowed within the protected areas. Temporary offices, toilets and material storage compounds are to be located outside of the tree protection fencing.
- 11.4. The smallest plant possible should also be used in proximity to these retained trees to avoid damage to overhanging canopies. Access around the Site area during any works should be carefully managed to protect the existing trees to be retained, requiring care when planning site operations to ensure that wide or tall loads or plant with booms, jibs, and counterweights, can operate without coming into contact with the trees.
- 11.5. Other key precautions to be taken in proximity to the trees to be retained include:
 - No materials shall be stored under the canopies of retained trees;
 - No oil, diesel, bitumen, cement, solvents or other material likely to be injurious to a tree shall be stored any closer than 5m from the edge of the canopy of any trees;
 - Fires shall not be lit near the canopy of any tree;
 - Trees to be retained shall not be used as anchorages for any equipment or construction activity;
 - Notice boards, telephone cables or other services shall not be attached to any part of a tree;
 - Care shall be exercised when using cranes or similar equipment near the spread of the canopy of a tree; and



- Allowance shall be made for any slope of the ground so that damaging materials do not run towards trees.
- 11.6. It is assumed that specific details of any tree protection measures (including the location of the Tree Protection Barriers) will be secured through associated planning conditions, and where necessary, in the form of an Arboricultural Method Statement (AMS), once a fixed layout is finalised through Reserved Matters Applications.

DRAWINGS Drawing 1: Arboricultural Constraints Plan (Drawing ref. 11386-177-WIE-ZZ-XX-DR-V-001 to 008)

| Drawing 2: Tree Retention and Removal Plan (Drawing ref. 11386-177-WIE-ZZ-XX-DR-V-009 to 016) |
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Drawing 3: Indicative Proposed Plan (Drawing ref. 410_S-50)

APPENDICES



A. Relevant Planning Policy and Legislation

National Planning Policy

Paragraph 174 of the National Planning Policy Framework (2021) states that "Planning policies and decisions should contribute to and enhance the natural and local environment by recognising the intrinsic character and beauty of the countryside, and the wider benefits from natural capital and ecosystem services – including the economic and other benefits of the best and most versatile agricultural land, and of trees and woodland". Whilst Paragraph 180 states "when determining planning applications, local planning authorities should apply the following principle - 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 63 and a suitable compensation strategy exists".

Local Planning Policy

Policy ESD10 (Protection and Enhancement of Biodiversity and the Natural Environment) of Cherwell District Council's Local Plan (2011 to 2031) states:

"Protection and enhancement of biodiversity and the natural environment will be achieved by the following:

- In considering proposals for development, a net gain in biodiversity will be sought by protecting, managing, enhancing and extending existing resources, and by creating new resources
- The protection of trees will be encouraged, with an aim to increase the number of trees in the District
- The reuse of soils will be sought
- If significant harm resulting from a development cannot be avoided (through locating on an alternative site with less harmful impacts), adequately mitigated, or as a last resort, compensated for, then development will not be permitted.
- Development which would result in damage to or loss of a site of international value will be subject to the Habitats Regulations Assessment process and will not be permitted unless it can be demonstrated that there will be no likely significant effects on the international site or that effects can be mitigated
- Development which would result in damage to or loss of a site of biodiversity or geological value of national importance will not be permitted unless the benefits of the development clearly outweigh the harm it would cause to the site and the wider national network of SSSIs, and the loss can be mitigated to achieve a net gain in biodiversity/geodiversity
- Development which would result in damage to or loss of a site of biodiversity or geological value of regional or local importance including habitats of species of principal importance for biodiversity will not be permitted unless the benefits of the development



clearly outweigh the harm it would cause to the site, and the loss can be mitigated to achieve a net gain in biodiversity/geodiversity

- Development proposals will be expected to incorporate features to encourage biodiversity and retain and where possible enhance existing features of nature conservation value within the site. Existing ecological networks should be identified and maintained to avoid habitat fragmentation, and ecological corridors should form an essential component of green infrastructure provision in association with new development to ensure habitat connectivity
- Relevant habitat and species surveys and associated reports will be required to accompany planning applications which may affect a site, habitat or species of known or potential ecological value
- Air quality assessments will also be required for development proposals that would be likely to have a significantly adverse impact on biodiversity by generating an increase in air pollution
- Planning conditions/obligations will be used to secure net gains in biodiversity by helping to deliver Biodiversity Action Plan targets and/or meeting the aims of Conservation Target Areas. Developments for which these are the principal aims will be viewed favourably
- A monitoring and management plan will be required for biodiversity features on site to ensure their long term suitable management."

Whilst Policy ESD 13 (Local Landscape Protection and Enhancement) states:

"Opportunities will be sought to secure the enhancement of the character and appearance of the landscape, particularly in urban fringe locations, through the restoration, management or enhancement of existing landscapes, features or habitats and where appropriate the creation of new ones, including the planting of woodlands, trees and hedgerows."

Tree Preservation Orders (TPOs)

TPOs are administered by Local Planning Authorities (LPA) and are made to protect trees which bring significant amenity benefit to the local area. All types of tree, tree species and sizes can be protected and a TPO can protect a single tree, tree groups, all trees within a defined area (Area TPO) or a woodland (Woodland TPO).

A TPO is a written order which makes it a criminal offence without the Authority's permission (liable to an unlimited fine) to;

- Cut down, top, lop, uproot, wilfully damage or wilfully destroy a tree protected by that order; or
- Cause or permit such actions.

In the Secretary of State's view, cutting roots is also a prohibited activity which requires the authority's consent. Applications to carry out works to trees covered by TPOs need to be submitted to the LPA for approval, via forms which can be found on the Planning Portal, however LPA consent is not required for carrying out work on trees subject to a TPO so far as



such work is necessary to implement a full planning permission. Where full planning permission has been granted showing the loss of (or work to) TPO trees is required to implement the permitted scheme, the Order is overwritten.

Conservation Areas (CA)

Normal TPO procedures apply if a tree within a CA is protected by a TPO. If a tree within a CA is not protected by a TPO and is above 75mm in trunk diameter when measured at 1.5m height, written notice must be given to the LPA for any proposed work, describing what work is proposed, at least six weeks before the proposed work date. This is called a 'section 211 notice' which gives the LPA an opportunity to consider whether the tree should be subject to a TPO.

Felling Licences

To fell trees, a felling licence from the Forestry Commission is required. It is an offence to fell trees, including in advance of a planning application, without a licence if an exemption does not apply. Exemptions include;

- locations (gardens, orchards, churchyards or designated open spaces);
- type of tree work (lopping, topping, pruning and pollarding);
- volume and diameter of trees to be felled (less than 5 cubic meters in one calendar quarter, trees of a girth at 1.3m height of less than 80mm, 100mm if thinning and 150mm if coppicing);
- other permissions (such as having planning permission granted); and
- statutory/legal requirements (there is a real or immediate threat of danger or abatement
 of nuisance, to prevent the spread of a pest/disease, to comply with an Act of Parliament
 or undertake your duties as a statutory service provider (gas, water, electric).



B. Cascade Chart for Tree Quality Assessment (extract from BS5837)

| TREES FOR REMOVAL | | | | | | | | | |
|--|---|---|---|---|--|--|--|--|--|
| Category and Definition | Criteria | | | Identification on Drawing / Within Tree Schedule | | | | | |
| Category U Those 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 that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning); Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline; and Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality. | | | | | | | | |
| | NOTE: Category U trees can have existing or potential cor | nservation value which it might be desirable to p | reserve. | | | | | | |
| TREES TO BE CONSIDERED FOR RETEN | | · | | | | | | | |
| Category and Definition | Criteria - Subcategories | | | Identification | | | | | |
| | 1 Mainly Arboricultural Values | 2 Mainly Landscape Values | 3 Mainly Cultural Values, including Conservation | on Drawing / Within Tree Schedule | | | | | |
| Category A Trees of high quality with an estimated remaining life expectancy minimum of at least 40 years | Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue) | Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features | Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture) | LIGHT GREEN | | | | | |
| Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years | Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation | Trees present in numbers, usually 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 | Trees with material conservation or other cultural value | MID BLUE | | | | | |
| Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm | Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories | Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits | Trees with no material conservation or other cultural value | GREY | | | | | |

Graven Hill, D1 Site, Bicester. Arboricultural Impact Assessment WIE11386-177-R-5-1-2-AIA



C. Schedule of Existing Trees

| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|----------|
| T228 | Crab (Malus spp.) | 4.5 | M/S, 3x 280 | Av. 5.0 | # | # | # | M/S from base | Av. 1.5 | Fair | M | Previously surveyed in connection with LTA1. Located in corner of field in area of unmanaged grass. Scrubby in form and heavy fruiting. Ironwork embedded in lower trunk on E side. Soil erosion and compaction around base of trunk. | None. | 20+ | C2/ 3 |
| T282 | Red Horse Chestnut (Aeseculus x carnea) | 7.0 | 360 | 5.0 | 6.0 | 5.2 | 5.9 | 2.0 (Av.) | 2.0 | Fair | EM | Growing in grass verge area and beginning to compete with adjacent W316. Minor symptoms of BCHC and leaf miner. Historic pruning wounds with wound wood development but also decay. | Monitor progress of BCHC and decay via re-survey in 18 months. | 10+ | C1 |
| T283 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | 700 | 0.5* | 3.0* | 0.5* | 8.0 | Forks at 3.0 | 2.5 | Fair | М | Growing on edge of W316 in area of natural regeneration. Top has possibly been torn out (limited visual access). Deadwood and hanging | None. | 20+ | В3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|--|---|------|
| | | | | | | | | | | | | deadwood present. | | | |
| T284 | Red Horse Chestnut (Aeseculus x carnea) | 7.0 | 340 | 2.8 | 4.0 | 3.8 | 3.2 | 2.0 (W) | 2.0 | Fair | EM | Growing in grass verge area. Symptoms of BCHC and leaf miner present. Historic pruning wounds with varying degrees of wound wood development and decay visible. Burrs to lower trunk on S side. Growing in competition with trees on W316 to S. | Monitor progress of BCHC and decay via re-survey in 18 months. | 10+ | C1 |
| T285 | Scots Pine (Pinus sylvestris) | 12.0 | 410 | 5.9 | 3.7 | 3.6 | 2.0 | 3.5 (Av.) | 3.0 | Fair | EM | Growing on edge of W316 and beginning to compete with adjacent trees to the S. | None. | 10+ | C1 |
| T286 | Apple (Malus domestica) | 7.0 | 165 | 1.7 | 3.6 | 4.7 | 0.8 | Forks at 1.5 | 4.0 | Fair | SM | Growing in grass verge area on edge of W316. Leans to E. Minor deadwood within canopy. | None. | 10+ | C2 |
| T287 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 12.0 | 645 | 5.0 | 8.0* | 5.4 | 3.7 | 3.0 (S) | 1.8 | Fair | M | Growing in grass verge area on edge of W316. Historic pruning wounds visible with further recent large tear outs | Monitor pruning wounds and tear outs for signs of decay via resurvey in 18 months. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|---|---|------|
| | | | | | | | | | | | | within canopy. Slightly thin canopy. | | | |
| T288 | Red Horse Chestnut (Aeseculus x carnea) | 7.0 | 270 | 3.0 | 4.0 | 4.3 | 4.3 | 2.0 (W) | 2.2 | Poor to Fair / Good | EM | Growing in grass verge area in a line of similar aged trees. Infected with BCHC with splitting bark and canopy dieback. | Remove and replace. | <10 | U |
| T300 | English Oak (Quercus robur) | 14.0 | 700* | Av. 7.5 | # | # | # | Forks at 3.5 | 0.9 | Fair to Good | M | Growing adjacent to railway line. Spreading form with occasional deadwood and torn branch stubs visible. Historic pruning wounds mostly occluded. Limited direct access. | Prune back competing hawthorn and rose at base to reduce competition. | 40+ | В3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|---------|---|---|---|-----------|
| W307 | Ash (Fraxinus excelsior), Scots Pine (Pinus sylvestris), Hawthorn (Crataegus monogyna), Dog Rose (Rosa canina), Blackthorn (Prunus spinosa), English Oak (Quercus robur), English Elm (Ulmus minor var. vulgaris), Elder (Sambucus nigra) | To 12.0 | Var. | Var. | # | # | # | Var. | Var. | Poor to Fair / Good | Y- M | Woodland group growing in mutual competition. | Consider thinning woodland to favour the development of fewer, better, specimens. | 40+ | B2 / 3 |
| T308 | Hawthorn (Crataegus monogyna) | - | | | | | | | | | | Dead in situ but acting as support for other woody vegetation including young Blackthorn and Bramble. | None. | | |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|----------|--|--|---|----------|
| W316 | Scots Pine (Pinus sylvestris) with occasional Elm (Ulmus sp.), Blackthorn (Prunus spinosa), Hawthorn (Crataegus monogyna), Goat Willow (Salix caprea) and Dog Rose (Rosa canina) | 12.0 – 14.0 | To 350 | Var. | # | # | # | Var. | Var. | Poor to Fair | Y- SM | Woodland group comprising similar aged Pine plantation with natural regeneration within. Growing in mutual competition with some trees dead or becoming crowded out and drawn up in competition. Elm locally dominating. | Consider thinning out to favour the development of better specimens and locally coppicing deciduous trees. | 40+ | B2/ 3 |
| T317 | Red Horse Chestnut (Aeseculus x carnea) | 8.0 | 310, 270, 250 | 4.5 | 3.8 | 4.3 | 3.4 | Forks at 1.3 | 1.9 | Fair | EM | Growing in grass verge area. Three main stems from fork junction. Modest symptoms of BCHC and leaf miner. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 20+ | C1 |
| T318 | Red Horse Chestnut (Aeseculus x carnea) | 6.0 | 260 | 3.5 | 3.1 | 4.0 | 3.4 | Forks at 1.9 | 2.0 | Fair to Good | SM | Growing in grass verge area. Historic pruning wounds with some wound wood development. Modest symptoms of BCHC and leaf miner. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 20+ | C1 |
| T319 | Red Horse Chestnut (Aeseculus x carnea) | 3.0 | 85 | 1.3 | 1.4 | 1.4 | 0.8 | Av. 1.9 | 2.0 | Fair | Y | Growing in area of mown grass. Mechanical damage to main trunk (possibly woodpecker damage). | Monitor trunk damage for signs of decay via resurvey in 18 months. | 10+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| T320 | Red Horse Chestnut (Aeseculus x carnea) | 7.0 | 340 | 4.6 | 4.2 | 3.9 | 3.8 | Av. 3.0 | 1.8 | Fair | EM | Growing in area of mown grass. Historic pruning wounds with some visible decay. Minor symptoms of BCHC and leaf miner. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |
| T321 | Red Horse Chestnut (Aeseculus x carnea) | 6.0 | 195 | 3.0 | 3.5 | 3.8 | 2.9 | 3.0 (E) | 2.5 | Poor to Fair | SM | Growing in area of grass. Historic pruning wounds with some visible decay. Minor symptoms of BCHC with think canopy. Woodpecker damage to bark. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |
| T322 | Red Horse Chestnut (Aeseculus x carnea) | 6.0 | 215 | 3.4 | 3.9 | 3.6 | 3.4 | 3.0 (E) | 2.2 | Poor to Fair | SM | Growing in area of grass. Historic pruning wounds with some visible decay. Minor symptoms of BCHC with think canopy. Woodpecker damage to bark. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |
| T323 | Red Horse Chestnut (Aeseculus x carnea) | 7.0 | 350 | 3.8 | 5.3 | 4.4 | 5.5 | Forks at 2.5 | 1.0 | Poor to Fair | EM | Growing in area of mown grass. Symptoms of BCHC with cracked bark and staining although canopy full. Leaf miner also present. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|--------|
| T324 | Horse Chestnut (Aesculus hippocastanum) | 5.0 | 175 | 2.2 | 2.8 | 2.7 | 2.4 | Av. 1.9 | 2.0 | Fair | Y | Growing in area of mown grass. Modes symptoms of BCHC and leaf miner. Mechanical damage at base on N side with wound wood development. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |
| T325 | Red Horse Chestnut (Aeseculus x carnea) | 3.0 | 75 | 1.4 | 1.1 | 1.6 | 1.1 | Av. 1.7 | 1.8 | Fair | Y | Growing in area of mown grass. Modes symptoms of BCHC and leaf miner. Mechanical damage at base | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |
| T326 | Horse Chestnut (Aesculus hippocastanum) | 5.0 | 215, 110, 70, 80 | 1.9 | 2.1 | 2.3 | 1.7 | Av. 1.3 | 2.2 | Fair | Y | Growing in area of mown grass. Modes symptoms of BCHC and leaf miner. Mechanical damage at base on S & W sides with wound wood development. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |
| T327 | Horse Chestnut (Aesculus hippocastanum) | 5.0 | 130, 130, 100, 80 | 2.9 | 2.6 | 3.1 | 2.5 | Av. 1.4 | 2.0 | Fair | Y | Growing in area of mown grass. Modes symptoms of BCHC and leaf miner. Mechanical damage at base | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 |
| T328 | Ash (Fraxinus excelsior) | 7.0 | 415 | 5.0 | 4.6 | 5.6 | 5.8 | Av. 1.5 | 1.5 | Fair to Good | EM | Growing in area of mown grass. Generally balanced canopy with minor deadwood. Minor | Monitor general health and condition and for signs of Ash Dieback Disease (Hymenoscyphus | 20+ | B1 / 2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|--|---|--------|
| | | | | | | | | | | | | shoot dieback Noted. Cracking of adjacent soil from desiccation Noted. | fraxineus) via resurvey in 18 months. | | |
| T329 | Horse Chestnut (Aesculus hippocastanum) | 5.0 | 190 | 2.6 | 2.9 | 3.2 | 2.8 | Av. 1.8 | 1.9 | Fair | SM | Growing in area of mown grass. Bark staining Noted on S side consistent with symptoms of BCHC. Historic pruning wounds mostly occluded. | Monitor overall health via re-survey in 18 months. | 10+ | C1 / 2 |
| T330 | Horse Chestnut (Aesculus hippocastanum) | 5.0 | 160 | 2.6 | 2.0 | 2.8 | 2.8 | Av. 1.8 | 2.0 | Fair | Y | Growing in area of mown grass. Modest bark staining Noted, consistent with symptoms of BCHC. Historic pruning wounds mostly occluded. | Monitor overall health via re-survey in 18 months. | 10+ | C1 / 2 |
| T331 | Horse Chestnut (Aesculus hippocastanum) | 3.0 | 105 | 1.4 | 1.5 | 2.0 | 0.8 | 1.8 (E) | 2.2 | Fair | Y | Growing in area of mown grass. Modest bark staining Noted, consistent with symptoms of BCHC. Historic pruning wounds mostly occluded. | Monitor overall health via re-survey in 18 months. | 10+ | C1 / 2 |
| T332 | Horse Chestnut (Aesculus hippocastanum) | 7.0 | 295 | 4.5 | 3.0 | 4.3 | 3.4 | Av. 2.0 | 1.5 | Poor to Fair | EM | Growing in area of mown grass. Generally full/balanced canopy but staining Noted to bark on N side consistent with | Monitor overall health via re-survey in 18 months. | 10+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|---|---|------|
| | | | | | | | | | | | | BCHC. Minor leaf damage Noted. | | | |
| T333 | Red Horse Chestnut (Aeseculus x carnea) | 6.0 | 245 | 4.0 | 2.5 | 3.4 | 2.6 | Av. 2.0 | 1.1 | Fair | EM | Growing in area of mown grass. Leaf miner Noted. Bark splitting and cracking on W side with staining and decay also Noted, consistent with BCHC. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 |
| T334 | Horse Chestnut (Aesculus hippocastanum) | 5.0 | 170 | 2.9 | 3.0 | 2.8 | 1.9 | Av. 1.8 | 2.0 | Fair to Good | SM | Growing in area of mown grass. Leaf miner Noted. Mechanical damage at base of trunk on NW side with wound wood development but also decay. | Monitor decay on mechanical wound and overall health via resurvey in 18 months. | 10+ | C1 |
| T335 | Red Horse Chestnut (Aesculus x carnea) | 5.0 | 360 | 4.6 | 2.7 | 5.5 | 5.0 | Av. 1.8 | 2.0 | Fair | EM | Growing in area of mown grass. Modest leaf miner Noted. Large mechanical wounds at 2.0 and 3.0m Ht. on S side of main trunk with decay visible. | Monitor decay on mechanical wounds on trunk via resurvey in 18 months. | 10+ | C1 |
| T336 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 395 | 3.8 | 4.6 | 5.0 | 4.5 | Av. 2.5 | 1.8 | Fair | EM | Growing in area of mown grass. Graft point visible at 1.8m Ht. Bark cracking consistent with BCHC infection. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|-----------------------------------|----------------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|----------|
| | | | | | | | | | | | | Modest leaf miner Noted. | | | |
| T337 | Apple (non-fruiting) (Malus spp.) | 5.0 | 330 | 3.1 | 3.7 | 4.3 | 3.6 | 1.8 (SE) | 2.0 | Fair | M | Growing in area of mown grass adjacent to electrical plant and concrete hardstanding. Historic pruning wounds to lower trunk now mostly occluded. Further damage with decay Noted at 2.5m Ht. on S and N trunk with possible decay. | Monitor wounds for signs of decay via resurvey in 18 months. | 20+ | C1/ 3 |
| T338 | Ash (Fraxinus excelsior) | 14.0 | 550, 400, 355 | 9.2 | 6.5* | 6.6 | 6.4 | M/S from base | 0.8 | Fair to Good | M | Growing in area of young trees and boundary vegetation adjacent to railway line. Canopy slightly thin with some deadwood Noted. Debris collecting at base in fork junction. Some localised dieback of shoots. | Monitor for signs of Ash Dieback Disease (Hymenoscyphus fraxineus) via resurvey in 18 months. | 20+ | В3 |
| T339 | Aspen (Populus tremula) | 15.0 | 110, 230, 190, 115, 200, 210 | 9.5 | 5.0* | 5.0* | 5.0* | M/A from base | 0.5 | Fair | М | Multi stemmed tree with several main stems. Growing in competition with adjacent trees and woody vegetation and becoming drawn | None. | 20+ | C2/ 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | up as a result. Canopy bias to N. | | | |
| T340 | Ash (Fraxinus excelsior) | 14.0 | 370, 320, 300 | 8.2 | 4.6 | 5.6 | 2.7 | 0.6 (NW) | 0.5 | Fair to Good | M | Growing in boundary vegetation in competition with adjacent trees and natural regeneration. Vertical mechanical fault on W stem which is likely to fail at some point with possible internal decay present. Occasional pruning wounds and torn branch stubs visible. | Monitor stem fault for decay via resurvey in 18 months. | 20+ | B3 |
| G341 | Aspen suckers (Populus tremula), Rose (Rosa spp.) and Elder (Sambucus nigra) | To 8.0 | To 350 | Var. | # | # | # | Var. | Var. | Fair to Good | Y - EM | Stand of similar aged trees and natural regeneration growing in competition on Site boundary. | Consider selective thinning to favour the development of better species within group. | 20+ | C2 / 3 |
| T342 | Goat Willow (Salix caprea) | 10.0 | 8No. x 230* | Av. 6.0* | # | # | # | Forks at 0.8 | 0.0 | Fair to Good | M | Growing in boundary vegetation and in competition with adjacent trees. | None. | 20+ | C2/ 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T343 | Goat Willow (Salix caprea) | 9.0 | 6No. x 260* | Av. 5.0* | # | # | # | Forks at 0.6 | 1.0 | Fair to Good | М | Growing in boundary vegetation and in competition with adjacent trees. | None. | 20+ | C2/ 3 |
| T344 | Ash (Fraxinus excelsior) | 8.0 | 185 | Av. 3.5 | # | # | # | 1.2 (W) | 1.0 | Fair | SM | Growing on edge of boundary group and in competition with adjacent trees. Localised dieback of shoots in canopy, otherwise full canopy. | Monitor for symptoms of Ash Dieback Disease via resurvey in 18 months. | 20+ | C1 |
| G345 | English Oak (Quercus robur), Hawthorn (Crataegus monogyna), Goat Willow (Salix caprea) and Ash (Fraxinus excelsior) | 6.0 – 8.0 | To 200 | Varies | # | # | # | Var. | Var. | Fair to Good | Y- SM | Boundary group of trees and woody regeneration growing in mutual competition. | None. | 20+ | C2 |
| T346 | Goat Willow (Salix caprea) | 7.0 | 8No x 250* | Av. 4.5 | # | # | # | 0# | 0.1 | Fair | М | Spreading tree located within area of scrub. Torn branch stubs visible. Limited direct access. | None. | 10+ | C3 |
| G347 | Goat Willow (Salix caprea) with occasional Elder (Sambucus nigra) | To 5.0 | Var. | Av. 4.5 | # | # | # | Var. | 0.0 | Fair | М | Similar ages line of trees beginning to compete. | None. | 10+ | C3 |
| G348 | Goat Willow (Salix caprea) | Av. 5.0 | Var. | Av. 6.0 | # | # | # | Var. | 0.0 | Fair | М | Line of similar aged trees growing in competition on the edge of an area of | None. | 10+ | C3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | concrete hardstanding. Possible natural regeneration. | | | |
| T349 | Red Horse Chestnut (Aesculus x carnea) | 8.0 | 495 | 5.3 | 3.3 | 6.3 | 4.7 | Av. 3.0 | 2.0 | Fair | EM | Growing in area of mown grass and in competition with T350. Bark cracking and staining from BCHC infection. Modest leaf miner present. | Remove and replace. | <10 | U |
| T350 | Apple (Malus domestica) | 6.0 | 345 | 2.6 | 2.9 | 4.4 | 4.4 | Forks at 2.5 | 2.5 | Poor | M | Growing in area of mown grass in competition with T349. 50% canopy dieback with a large mechanical damage to main stem with decay present. | Fell and retain logs as deadwood habitat. | <10 | U |
| T352 | Swedish Whitebeam (Sorbus x intermedia) | 3.0 | 120 | 1.8 | 1.0 | 1.5 | 1.2 | 1.7 (SW) | 2.0 | Fair | Y | Growing in area of mown grass. Leans slightly to E. Historic pruning wounds to lower trunk with variable wound wood development. | None. | 20+ | C1 |
| T353 | Swedish Whitebeam (Sorbus x intermedia) | 5.0 | 230 | 3.3 | 2.6 | 2.8 | 3.1 | 1.5 (N) | 1.7 | Fair | SM | Growing in area of mown grass. Generally balanced form but slightly thin canopy. | None. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|----------|
| T354 | Hawthorn (Crataegus monogyna) | 4.5 | 110, 110, 150, 190, 50, 125 | 2.7 | 2.9 | 2.6 | 2.0 | Forks at 0.3 | 2.0 | Fair | EM | Growing in area of mown grass adjacent to ditch. Beginning to compete with T355. Historic pruning wounds with wound wood development but also decay. | None. | 20+ | C2/ 3 |
| T355 | Red Horse Chestnut (Aesculus x carnea) | 5.0 | 300 | 4.3 | 4.5 | 4.0 | 3.7 | Av. 2.5 | 2.0 | Fair | EM | Growing in area of mown grass and beginning to compete with T354. Graft point visible at 1.8m Ht. Bark splitting from BCHC infection. Modest leaf miner damage. | Monitor progress of BCHC and overall health via resurvey in 18 months. | 10+ | C1 / 2 |
| T356 | Red Horse Chestnut (Aesculus x carnea) | 5.0 | 275 | 3.4 | 3.3 | 4.0 | 3.2 | Av. 1.9 | 2.2 | Fair | EM | Growing in area of mown grass and beginning to compete with T355. Cavity with decay on N side at 2.0m Ht. Graft point visible at 1.8m Ht. Bark splitting from BCHC infection. Modest leaf miner damage. | Monitor progress of BCHC and extent of decay in cavity via resurvey in 18 months. | 10+ | C1/ 2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|-------------------------------------|----------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|---|---|------|
| T357 | Hawthorn (Crataegus monogyna) | 2.5 | 125, 50, 50, 50, 50, 50, 40, 40 | 1.4 | 2.3 | 1.9 | 1.1 | Forks at 0.1 | 1.5 | Fair | SM | Growing in area of mown grass adjacent to railway line. Leaning with canopy bias to S. Some deadwood in canopy and historic pruning wounds. | None. | 10+ | C3 |
| T358 | White Willow (Salix alba) | 12.0 | 345 | 4.6 | 3.2 | 4.2 | 2.6 | Av. 2.5 | 1.5 | Fair | EM | Growing in area of mown grass in association with other trees of similar age. Buttress roots not visible, suggesting it has been planted too deep. | None. | 20+ | B2 |
| T359 | White Willow (Salix alba) | 12.0 | 340 | 5.0 | 3.2 | 4.2 | 2.6 | Av. 2.5 | 1.5 | Fair | SM | Growing in area of mown grass in association with other trees of similar age. Buttress roots not visible, suggesting it has been planted too deep. Redundant stake present. Ground cracking of soils at base from desiccation. | Cut redundant stake at ground level and remove. | 20+ | B2 |
| T360 | White Willow (Salix alba) | 12.0 | 355 | 4.6 | 3.2 | 4.2 | 2.8 | Av. 2.7 | 1.2 | Fair to Good | SM | Growing in area of mown grass in association with other trees of similar age. Buttress roots not | None. | 20+ | B2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | visible, suggesting it has been planted too deep. | | | |
| T361 | White Willow (Salix alba) | 12.0 | 280 | 3.6 | 2.7 | 4.0 | 2.6 | 2.1 (W) | 1.4 | Fair to Good | SM | Growing in area of mown grass in association with other trees of similar age. Buttress roots not visible, suggesting it has been planted too deep. Swelling Noted to trunk at 1.3m Ht. likely caused by historic stake and tie preventing normal growth. | None. | 20+ | B2 |
| T362 | White Willow (Salix alba) | 12.0 | 115, 130, 90, 35, 120, 40, 50, 70, 165, 40, 50 | 3.9 | 2.6 | 3.3 | 2.5 | Forks at 1.0 | 1.2 | Fair | EM | Growing in area of mown grass in association with other trees of similar age. Formed of 4 main stems with further congested / weak stem junctions. Buttress roots not visible, suggesting it has been planted too deep. Redundant stake present. | Cut redundant stake at ground level and remove. Monitor stem junctions for signs of weakness. | 10+ | C2 |
| T363 | White Willow (Salix alba) | 12.0 | 325 | 4.5 | 3.2 | 4.5 | 3.2 | Av. 3.0 | 1.2 | Fair to Good | EM | Growing in area of mown grass in association with other trees of similar age. Buttress roots not | None. | 20+ | B2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | visible, suggesting it has been planted too deep. | | | |
| T364 | Hawthorn (Crataegus monogyna) | 3.0 | 280* | 2.5 | 2.5* | 2.5* | 2.0* | Forks at 1.8 | 2.0 | Fair | SM | Growing on bank adjacent to railway line. Slightly thin canopy with limited extension growth. Limited direct access. | None. | 20+ | C3 |
| T365 | Horse Chestnut (Aesculus hippocastanum) | 7.0 | 435 | 4.0 | 3.5 | 4.2 | 3.7 | 2.5 (NE) | 2.5 | Fair | EM | Growing at base of bank adjacent to railway line. Some symptoms of BCHC and leaf miner Noted, otherwise full canopy. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 |
| T366 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 440 | 5.5 | 4.2 | 4.6 | 5.8 | 3.0 (W) | 1.8 | Fair | ЕМ | Growing at base of bank adjacent to railway line. Bark splits from BCHC infection locally sealed in places by wound wood development but others remain open. Large wound at 2.0m Ht. on S side with decay and a large vertical fault about. | Remove and replace. given proximity to railway line. | <10 | U |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| T367 | Goat Willow (Salix caprea) | 9.0 | 275, 280, 290, 170 | 6.6 | 6.4 | 6.0 | 6.4 | Forks at 1.2 | 0.7 | Fair | M | Growing in area of mown grass adjacent to hardstanding. Congested trunk junction with included bark Noted. Torn but living branches on S side from plant activity within materials storage yard on S side. | Consider lateral reduction on S side to facilitate operational clearance of yard. | 20+ | C2/ 3 |
| T368 | English Oak (Quercus robur) | 9.0 | 410 | 5.4 | 6.1 | 5.7 | 6.0 | Av. 3.5 | 1.7 | Fair to Good | EM | Growing in area of mown grass. Historic pruning wounds to lower trunk now mostly occluded. Sooty mould Noted on new growth. | Monitor extent of sooty mould and general vigour of tree via resurvey in 18 months. | 40+ | B2 / 3 |
| T369 | English Oak (Quercus robur) | 8.0 | 355 | 5.6 | 4.8 | 5.9 | 4.3 | 2.0 (N) | 1.8 | Fair to Good | SM | Growing in area of mown grass. Sooty mould Noted on new growth. Slightly thin canopy. | Monitor extent of sooty mould and general vigour of tree via resurvey in 18 months. | 40+ | B2 / 3 |
| T370 | Apple (Malus domestica spp.) | 5.0 | 420 | 2.5* | 3.9 | 4.5 | 5.1 | Av. 3.5 | 0.5 | Fair to Good | М | Growing adjacent to railway line with historic pruning wounds to main trunk. Lateral clearance over/adjacent to line, otherwise balanced form. Heavy fruiting Noted. | None. | 20+ | B2/ 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| G371 | Oak (Quercus robur), Blackthorn (Prunus spinosa), Goat Willow (Salix caprea), Rose (Rosa sp.) | 4.0 – 6.0 | Var. | Var. | # | # | # | Var. | Var. | Fair to Good | Y – SM | Area of natural regeneration, small trees and scrub growing in mutual competition. No direct access. | None. | 20+ | C3 |
| G372 | Goat Willow (Salix caprea), Oak saplings (Quercus sp.), Bramble (Rubus fruiticosus), Hawthorn (Crataegus monogyna) | To 6.0 | Var. | Var. | # | # | # | Var. | Var. | Fair to Good | Y – SM | Stand of natural regeneration, scrub and small trees between railway lines. Growing in competition and locally faced up on railway side. No direct access. | None. | 20+ | C2/ 3 |
| T373 | English Oak (Quercus robur) | 8.0 | 400, 45, 450* | Av. 6.5 | # | # | # | Forks at 1.0 | 5.0 | Fair to Good | M | Growing adjacent to railway line. Branches into 3 main trunks at 1.0m Ht. with debris collecting at fork junction and some included bark below fork junction. Ivy (Hedera spp.) becoming established on one trunk. | None. | 40+ | B2/3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|----------|---|---|---|-----------|
| G374 | Goat Willow (Salix caprea), Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna) | То 9.0 | 70 – 400* | Var. | # | # | # | Var. | 0.0 | Fair | Y- SM | Area of natural regeneration comprising scrub and small trees growing in mutual competition adjacent to railway line. Historic facing up on line side to facilitate railway operations. | None. | 20+ | C2/ 3 |
| T375 | Italian Alder (Alnus cordata) | 10.0 | 320 | 3.6 | 2.4 | 3.0* | 2.5 | 4.0 (E) | 4.0 | Fair to Good | EM | Principal tree in G374 with canopy slightly biased to N / W as a result. | None. | 20+ | B2 / 3 |
| T376 | English Oak (Quercus robur) | 9.0 | 460* | 5.0 | 7.7 | 5.5 | 4.5 | 2.0 (NE) | 1.0 | Fair | М | Growing on bank adjacent to railway line. Deadwood and torn branch stubs visible within spreading canopy. Oak galls Noted. | Consider removal of deadwood where impeding track access. | 20+ | B2/ 3 |
| T377 | English Oak (Quercus robur) | 10.0 | 550 | 6.6 | 7.2 | 5.3 | 7.0 | 2.5 (W) | 1.2 | Fair to Good | М | Growing on bank adjacent to railway line. Generally balanced form. | Consider formative pruning to maintain clearance over line. | 40+ | B2 / 3 |
| T378 | Silver Birch (Betula pendula) | 8.0 | 340* | 5.1 | 4.9 | 5.1 | 4.6 | Forks at 2.0 | 1.2 | Fair | М | Growing within area of scrub adjacent to railway line and hardstanding. Crooked form with severe deadwood and lvy (Hedera spp.) becoming established. Limited access. | None. | 10+ | C2/ 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T379 | Ash (Fraxinus excelsior) | 8.0 | 405 | 2.7 | 4.7 | 4.5* | 4.8 | 0.5 (E) | 0.5 | Fair to Good | EM | Northernmost tree in G391 and growing in competition with adjacent trees. Minor foliage dieback Noted. | Monitor for signs of Ash Dieback Disease (Hymenoscyphus fraxineus). | 20+ | B2 / 3 |
| T380 | Italian Alder (Alnus cordata) | 10.0 | 415 | 4.3 | 3.7 | 4.0 | 3.4 | 1.6 (S) | 0.2 | Fair to Good | EM | Growing on edge of and in competition with G391. Deadwood in lower trunk. | None. | 20+ | B2 / 3 |
| T381 | English Oak (Quercus robur) | 8.0 | 425 | 5.9 | 4.2 | 6.9 | 5.4 | Av. 3.0 | 0.6 | Fair to Good | EM | Growing on edge of and in competition with G391. Deadwood in lower trunk. | None. | 20+ | B2 / 3 |
| G382 | 3No. Oak (Quercus spp.) | 8.0 | 515 (E), 360 (mid), 370 (W) | 6.5 | 3.2 | 7.4 | 8.6 | 2.5 – 3.0 | 1.0 | Fair to Good | EM | Growing on edge of G391 with canopies slightly biased to N / NW through competition. Some deadwood and slightly crooked forms within. | None. | 40+ | B2 / 3 |
| T383 | Hybrid Black Poplar (Populus x canadensis) | 12.0 | 410 | 1.4 | 0.9 | 0.6 | 1.1 | 5.0 (N) | 5.0 | Fair to Good | EM | Growing on edge of and in competition with G391. Narrow, fastigiate form. Minor deadwood in lower canopy. | None. | 20+ | B1 / 2 |
| T384 | Italian Alder (Alnus cordata) | 11.0 | 345 | 4.7 | 3.5 | 3.8 | 3.6 | 1.3 (NW) | 1.0 | Fair | EM | Growing on edge of and in competition with G391. | None. | 40+ | B2 / 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T385 | Italian Alder (Alnus cordata) | 10.0 | 300 | 4.4 | 2.0 | 3.4 | 2.2 | 1.6 (W) | 0.2 | Fair | EM | Growing on edge of and in competition with G391. | None. | 40+ | B2 / 3 |
| T386 | Hybrid Black Poplar (Populus x canadensis) | 13.0 | 480 | 1.4 | 1.2 | 2.0 | 1.4 | 3.5 (W) | 4.0 | Fair | EM | Growing on edge of and in competition with G391. Narrow, fastigiate form. Minor deadwood in lower canopy. | None. | 20+ | B1 / 2 |
| G387 | 2No. Italian Alder (Alnus cordata) | 12.0 | Av. 300 | Av. 4.0 | # | # | # | 2.5 (SW) | 0.5 | Fair | EM | Growing on edge of and in competition with G391. | None. | 40+ | B2 / 3 |
| T388 | Sycamore (Acer pseudoplatanus) | 12.0 | 198, 375 | 4.0 | 5.8 | 3.3 | 5.1 | 0.4 (SE) | 0.8 | Fair | EM | Growing on edge of and in competition with G391. Low branching form with 3 to 4No. main branches rising up from 0.4 – 2.5m Ht. Torn branch stubs visible. | None. | 40+ | B2 / 3 |
| T389 | Italian Alder (Alnus cordata) | 12.0 | 300 | 2.8 | 3.8 | 2.6 | 3.9 | 0.1 (S) | 0.5 | Fair | EM | Growing on edge of and in competition with G391. Feathered form with low, hanging canopy tips to SW. | None. | 40+ | B2/ 3 |
| T390 | Hybrid Black Poplar (Populus x canadensis) | 18.0 | 680, 230 | 1.4 | 2.0 | 2.1 | 0.8 | Av. 0.1 | 1.6 | Fair to Good | EM | Growing on corner edge of tree group and in competition on N edge. Fastigiate form. Two main trunks rising up | None. | 20+ | B2 / 3 |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| | | | | | | | | | | | | from approx. 1.0m Ht. | | | |
| G391 | Hybrid Black Poplar (Populus x canadensis), Italian Alder (Alnus cordata), Ash (Fraxinus excelsior), Sycamore (Acer pseudoplatanus), Oak (Quercus robur), Hawthorn (Crataegus monogyna), Midland Hawthorn (Crataegus laevigata), Blackthorn (Prunus spinosa) | To 15.0 | To 550 | Var. | # | # | # | Var. | Var. | Poor to Fair / Good | Y- EM | Planted tree group growing in competition with trees becoming drawn up as a result. Even aged with some natural regeneration below. Some redundant grazing shelters and stakes. Herb layer limited to Bramble (Rubus fruiticosus) and nettle (Urtica dioica). | Remove redundant tree stakes and grazing shelters. | 20+ | B2/ 3 |
| T392 | English Oak (Quercus robur) | 9.0 | 540 | 6.7 | 4.5 | 7.0 | 5.5 | Av. 3.0 | 1.3 | Fair to Good | EM | Growing in area of mown grass. Balanced but slightly thin canopy. Historic pruning wounds to lower trunk mostly occluded. Mower damage to buttress roots. | Surface dress to prevent further root damage. | 40+ | B2 / 3 |
| T393 | English Oak (Quercus robur) | 10.0 | 350 | 6.0 | 7.0 | 6.0* | 6.2 | 2.0 (N) | 1.5 | Fair to Good | EM | Growing on top of ditch source within area of mown grass. | None. | 40+ | B2 / 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---------------------------------|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|-----------|
| | | | | | | | | | | | | Historic pruning wounds mostly occluded. Generally balanced form but slightly thin canopy. Minor deadwood Noted. | | | |
| T394 | English Oak (Quercus robur) | 10.0 | 430, 480 | 8.3 | 7.6 | 7.6 | 7.5 | Forks at 1.2 | 1.3 | Fair to Good | EM | Growing in area of mown grass. Balanced canopy. Discoloured, included bark below fork junction. Mower damage to buttress roots. | Surface dress to prevent further root damage. Monitor stem junction for weakness via resurvey in 18 months. | 20+ | B2 / 3 |
| T395 | English Oak (Quercus robur) | 10.0 | 490 | 6.6 | 6.1 | 5.9 | 5.6 | Av. 3.0 | 2.5 | Fair | EM | Growing in area of mown grass. Balanced but slightly thin canopy. Historic pruning wounds to lower trunk mostly occluded. | None. | 40+ | B2 / 3 |
| T396 | Apple (Malus domestica spp.) | 5.0 | 325 | 3.0 | 3.1 | 3.6 | 2.6 | Forks at 1.4 | 2.0 | Fair | М | Growing in area of mown grass. Mechanical damage at 2.0m Ht. on W side with some wound wood but also decay. Of generally balanced form. No fruit present. | Monitor mechanical damage for signs of decay via resurvey in 18 months. | 20+ | C3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--------------------------------|----------------------------|-----------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|--|---|--------|
| T397 | English Oak (Quercus robur) | 10.0 | 480, 140, 350, 375 | 8.5 | 7.7 | 8.2 | 7.3 | 1.1 (S) | 2.0 | Fair to Good | M | Growing on top of bank adjacent to ditch course in area of mown grass. Low branching form with a generally balanced but slightly open canopy. Historic pruning wounds mostly occluded. Levels possibly increased on NW side where grass area has been levelled. | None. | 40+ | B2/3 |
| T398 | English Oak (Quercus robur) | 9.0 | 390 | 3.0 | 5.3 | 5.1 | 5.6 | 3.5 (N) | 3.0 | Fair | M | Growing on top of bank adjacent to ditch course in area of mown grass. Thinning canopy with dieback and deadwood present. Levels possibly increased on NW side where grass area has been levelled. | Monitor general health and vigour re. dieback via resurvey in 18 months. | 20+ | C2 |
| T399 | Plum (Prunus domestica) | 5.0 | 245 | 3.3 | 2.9 | 3.5 | 2.0 | 1.5 (N) | 2.5 | Fair | SM | Growing on top of bank adjacent railway line in area of mown grass. Fungal brackets visible. | None. | 10+ | C2 / 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T400 | English Oak (Quercus robur) | 7.0 | 400 | 5.4 | 6.7 | 4.4 | 4.4 | 2.5 (SE) | 1.8 | Fair | EM | Growing on top of bank adjacent railway line in area of mown grass. Some epicormic growth to main trunk. Pest damage to foliage and woodpecker damage to trunk. | Monitor overall health and pest damage to foliage via resurvey in 12 months. | 20+ | B2/ 3 |
| T401 | English Oak (Quercus robur) | 6.0 | 295 | 5.2 | 5.0 | 3.6 | 3.6 | 3.0 (S) | 2.5 | Fair | EM | Growing on top of bank adjacent railway line in area of mown grass. Pest damage to foliage and woodpecker damage to trunk. Historic pruning wounds mostly occluded. | Monitor overall health and pest damage to foliage via resurvey in 12 months. | 40+ | B2 / 3 |
| T402 | Hawthorn (Crataegus monogyna) | 5.0 | 150, 150, 150 | 2.1 | 2.1 | 2.5 | 2.0 | Forks at 1.1 | 2.2 | Fair | SM | Growing on top of bank adjacent railway line in area of mown grass. Historic pruning wounds with some wound wood development but decay also Noted. Canopy dieback and deadwood Noted. | Monitor overall health via resurvey in 18 months. | 10+ | C1 |
| T403 | Hawthorn (Crataegus monogyna) | 4.0 | 120, 115, 155 | 2.5 | 2.4 | 2.9 | 1.9 | Forks at 1.0 | 1.8 | Fair | SM | Growing on top of bank adjacent railway line in area of mown grass. Historic | None. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | pruning wounds with some wound wood development but decay also Noted. Modest canopy dieback and deadwood Noted. | | | |
| T404 | English Oak (Quercus robur) | 8.0 | 460 | 8.3 | 6.9 | 7.2 | 6.2 | 3.5 (S) | 2.5 | Fair | EM | Growing on top of bank adjacent railway line in area of mown grass. Canopy biased to S away from tracked. Minor deadwood visible. | None. | 40+ | B2/ 3 |
| T405 | Red Horse Chestnut (Aesculus x carnea) | 4.5 | 315 | 4.4 | 4.2 | 4.2 | 2.7 | Av. 1.8 | 2.0 | Fair | EM | Growing adjacent railway line in area of mown grass. Graft point at 1.8m Ht. Bark staining and cracking consistent with BCHC infection Noted. Leaf miner damage also Noted. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1/ 2 |
| T406 | Horse Chestnut (Aesculus hippocastanum) | 9.0 | 400 | 4.4 | 4.3 | 5.0 | 3.3 | 1.9 (S) | 2.0 | Fair | EM | Growing in area of mown grass. Some historic pruning wounds with wound wood but also possible decay. Minor symptoms of leaf miner and BCHC. | Monitor pruning wounds for signs of decay and overall vigour of tree via resurvey in 18 months. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T407 | Red Horse Chestnut (Aesculus x carnea) | 5.0 | 360 | 3.8 | 4.7 | 5.7 | 4.2 | 2.2 (SE) | 2.2 | Fair | EM | Growing in area of mown grass. Bark splitting at graft point at 1.8m Ht. Leaf miner damage also Noted. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 / 2 |
| T408 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 390 | 5.2 | 5.4 | 5.6 | 4.9 | Av. 1.9 | 1.8 | Fair | EM | Growing in area of mown grass with disturbed and cracked soil at base. Graft point at 1.8m Ht. Minor symptoms of BCHC Noted. Historic pruning wounds with some wound wood development but also decay. | Monitor extent of decay to pruning wounds and progress of BCHC via resurvey in 18 months. | 10+ | C1 / 2 |
| T409 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 320 | 4.3 | 4.5 | 3.5 | 5.1 | Av. 2.2 | 1.4 | Poor | EM | Growing in area of mown grass. Bark cracking consistent with BCHC infection. Historic pruning wounds with decay Noted. Canopy dieback Noted. | Remove and replace. | <10 | U |
| T410 | English Oak (Quercus robur) | 8.0 | 190, 275 | 3.0 | 3.3 | 3.5 | 2.2 | Forks at base | 2.5 | Poor | EM | Growing in area of mown grass. Historic pruning wounds and large amount of canopy dieback and deadwood. Staining to bark on E side | Remain in situ as deadwood habitat. | <10 | C3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|--|---|----------|
| | | | | | | | | | | | | suggesting infection/pathogen presence. | | | |
| T411 | Hawthorn (Crataegus monogyna) | 6.0 | 60, 170, 150*, 130*, 120*, 120*, 120* | 3.4 | 3.7 | 3.3 | 3.3 | Forks at 1.1 | 2.0 | Fair | SM | Growing in area of mown grass. Several leaders from fork junction. Historic pruning wounds with some wound wood but possible decay also Noted. Generally full canopy. Birds nest Noted in canopy. | None. | 20+ | C2/ 3 |
| T412 | English Oak (Quercus robur) | 8.0 | 320, 460 | 7.2 | 6.9 | 7.0 | 6.4 | Forks at 1.2 | 2.0 | Fair | EM | Growing in area of mown grass adjacent to railway line. Low fork with several crossing and fused limbs with included bark below. Minor deadwood. Birds nest Noted in canopy. | Consider careful formative pruning is railway access is required. Monitor stem junction for structural weakness via resurvey in 18 months. | 20+ | B2 / 3 |
| G413 | Goat Willow (Salix caprea) | 8.0 | Var. | Var. | # | # | # | Var. | 0.0 | Fair | EM | Growing in mutual competition in area of mown grass. Limited access. | None. | 10+ | C3 |
| T414 | Red Horse Chestnut (Aesculus x carnea) | 5.0 | 250 | 3.4 | 3.1 | 3.0 | 2.7 | Av. 1.8 | 2.0 | Poor | EM | Growing in area of mown grass. Graft point at 1.8m Ht. Cracked bark and symptoms of | Remove and replace. | <10 | U |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | BCHC. Thin canopy with deadwood and dieback. Mechanical damage Noted at base with decay. | | | |
| T415 | Red Horse Chestnut (Aesculus x carnea) | 3.0 | 160 | 2.5 | 2.2 | 2.5 | 1.6 | Av. 1.8 | 2.2 | Poor | Y | Growing in area of mown grass. Graft point at 1.8m Ht. Cracked bark and symptoms of BCHC. Thin canopy with deadwood and dieback. Mechanical damage Noted at base with decay. | Remove and replace. | <10 | U |
| T416 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 240 | 3.3 | 3.5 | 2.9 | 3.6 | Forks at 2.0 | 2.0 | Fair | SM | Growing in area of mown grass. Graft point at 1.8m Ht. Cracked bark and minor symptoms of BCHC. Thin canopy with deadwood and dieback. Mechanical damage Noted at base with decay. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 / 2 |
| T417 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 330 | 4.3 | 4.0 | 4.2 | 4.2 | Av. 2.0 | 2.0 | Fair | EM | Growing in area of mown grass. Graft point at 1.8m Ht. Cracked bark and minor symptoms of BCHC. Generally | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 / 2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | full canopy. Mechanical damage Noted at base with decay. | | | |
| T418 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 290 | 4.3 | 3.8 | 4.5 | 3.7 | Av. 2.0 | 2.0 | Fair | EM | Growing in area of mown grass. Graft point at 1.8m Ht. Cracked bark and minor symptoms of BCHC. Generally full canopy. Woodpecker damage Noted to trunk. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 / 2 |
| T419 | Red Horse Chestnut (Aesculus x carnea) | 8.0 | 395 | 4.0* | 4.5 | 3.7 | 4.2 | Av. 2.2 | 2.2 | Fair | EM | Growing in area of mown grass. Graft point at 1.8m Ht. Cracked bark and minor symptoms of BCHC. Generally full canopy. Historic pruning wounds with wound wood development and possible decay. Woodpecker damage Noted to trunk. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C1 / 2 |
| G420 | Malus spp. and Blackthorn (Prunus spinosa) | Av. 3.0 | <70 – 90 | Av. 3.0 | # | # | # | 0# | 0.5 | Fair | SM | Located on edge of hard standing and amenity grassland. Growing in competition and unmanaged forms. | None. | 40+ | C2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T421 | Willow (Salix spp.) | 4.5 | 10No. Av. 110 | Av. 4.0 | # | # | # | M/S from base | 0.3 | Fair | SM | Located at top of dry ditch. In competition with scrubby vegetation at base. Some deadwood in lower canopy. | None. | 40+ | C1 |
| T422 | Common Alder (Alnus glutinosa) | 4.0 | 7No. Av.70 | Av. 2.0 | # | # | # | M/S from base | 1.0 | Fair | Y | Self sown tree located within ditch. Leaf miner Noted. | None. | 40+ | C1 |
| G423 | Common Alder (Alnus glutinosa), Cherry (Prunus spp.), Norway Maple (Acer platanoides), Large leaved Lime (Tilia platyphyllos), English Oak (Quercus robur) | 2.5 – 11.0 | <70 to 610 | Var. | # | # | # | Var. | Var. | Fair | SM - EM | Group of similar aged planted specimens with several ditches within. Redundant grazing guards present in places. Some larger Oak specimens within group. Growing in mutual competition. Deadwood and decay within. Elm saplings with symptoms of Dutch Elm Disease and suspected dead elm trees present. | Retain deadwood in situ for habitat value. | 40+ | B1 |
| T424 | English Oak (Quercus robur) | 14.0 | 980 | 8.2 | 12.0 | 9.8 | 8.6 | 3.0 (E) | 5.0 | Fair | M | Located at the top of a ditch. Cracked ground at base from drought. Historic pruning wounds to lower trunk and | Remove competing Elm. | 40+ | B1 |



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| | | | | | | | | | | | | canopy with varying degrees of occlusion. Elm suckers at base. | | | |
| T425 | English Oak (Quercus robur) | 14.0 | 450, 320 | 7.2 | 7.0 | 6.8 | 7.3 | M/S from base | 4.0 | Fair | EM | Located on edge of G423. Exposed buttress and shallow surface roots at base. Competing leaders from base. Some epicormic growth Noted. | None. | 40+ | B1 |
| T426 | Ash (Fraxinus excelsior) | 10.0 | 6No. Av. 150 | 5.6 | 4.5 | 6.2 | 3.0 | M/S from base | 1.5 | Fair | EM | Located at end of drainage ditch separating G423 and W429. Rose and bramble scrub to 5.0m Ht. Cracked ground at base from drought. | Consider removal of competing rose and bramble scrub. | 40+ | B1 |
| T427 | English Oak (Quercus robur) | 11.0 | 510 | 6.8 | 7.9 | 5.0 | 5.0 | 2.0 (S) | 1.5 | Fair | SM | Located on edge of G423 and on edge of ditch. Deadwood stub at 3.0m Ht. on N side with decay Noted. Bat box fixed to trunk. | Remove branch stub to prevent spread of decay. | 40+ | B1 / 3 |
| G428 | Hawthorn (Crataegus monogyna), Ash (Fraxinus excelsior) English Elm (Ulmus minor var. vulgaris), Rose (Rosa spp.) | Av. 11.0 | Var. | Var. | # | # | # | Var. | 0.0 | Fair | SM | Located at junction of ditches. Growing in mutual competition. Some localised foliage dieback Noted on Ash. | Monitor Ash for signs of Ash Dieback Disease (ADD) (Hymenoscyphus fraxineus) via resurvey in 18 months. | 40+ | B1 |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| W429 | Lime (Tilia spp.), Crataegus monogyna), Ash (Fraxinus excelsior), Rose (Rosa spp.), English Oak (Quercus robur), Alder (Alnus spp.), Blackthorn (Prunus spinosa), Cherry (Prunus spp.) and Elder (Sambucus nigra) | 2.0 – 14.0 | Var. | Var. | # | # | # | Var. | 0.0 | Poor to Fair | Y - SM | Growing in mutual competition. Deadwood within canopies. | None. | 40+ | B1 |
| G430 | Common Alder (Alnus glutinosa), Silver Birch (Betula pendula, Italian Alder (Alnus cordata) and Goat Willow (Salix caprea) | 0.5 – 5.0 | Var. | Var. | # | # | # | Var. | 0.0 | Fair | Y | Self sown group growing in disused storage yard. Scrubby in form. | None. | 10+ | C1 |
| G431 | Lombardy Poplar (Populus nigra 'Italica') | 15.0+ | Var. | Var. | # | # | # | Var. | 0.0 | Good | SM | Located along the eastern edge of W429 adjacent to Site boundary with W429 species providing understory layers. Planted in 10+ linear rows of 10+ trees, likely to provide screening value to Site. | None. | 40+ | B1 |



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| G432 | Goat Willow (Salix caprea), Silver Birch (Betula pendula), Elder (Sambucus nigra), Rose (Rosa spp.) | 6.0 – 15.0 | Var. | Var. | # | # | # | Var. | 0.0 | Fair | SM | Located in strip of soft landscape between disused yard and railway line. Growing in mutual competition and scrubby in form with deadwood within. | None. | 20+ | C1 |
| G433 | Goat Willow (Salix caprea), Silver Birch (Betula pendula), Ash (Fraxinus excelsior) | 2.0 – 4.0 | Var. | Var. | # | # | # | Var. | 0.0 | Fair | Y | Self sown group on edge of disused yard. | None. | 20+ | C1 |
| T434 | Goat Willow (Salix caprea) | 10.0 | 4No. Av. 300 | 5.0 | 4.9 | 5.5 | 4.5 | M/S from 1.0 | 1.0 | Fair | EM | Located on edge of W429/G431. Deadwood in lower canopy. Historic lateral canopy reduction on W and S side to facilitate access with limited wound wood development. | None. | 20+ | C1 |
| T463 | Hawthorn (Crataegus monogyna) | 3.0 | <70, 80, 70, 130 | Av. 2.5 | # | # | # | M/S from base | 2.5 | Poor | SM | Located in mown grass area. 1 stem topped at 1.0m Ht. Thin canopy with deadwood Noted. | Monitor overall health via resurvey in 18 months. | 10+ | C1 |
| G473 | Aspen (Populus tremula) | To 15.0 | Var. | Var. | # | # | # | Var. | Var. | Good | SM | Area of similar aged planted trees growing in mutual competition and drawn up and | None. | 40+ | B1 |



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| | | | | | | | | | | | | whippy in form as a result. Some standing and fallen dead specimens within and woodpecker holes to some. | | | |
| T474 | English Oak (Quercus robur) | 16.0 | 300 | 1.5 | 3.7 | 4.3 | 4.7 | 2.0 (S) | 1.5 | Good | SM | Located within G473 and drawn up and whippy in form from competition. | Consider halo pruning around oak to reduce competition. | 40+ | B1 |
| T475 | English Elm (Ulmus minor var. vulgaris) | 12.0 | 220 | 2.6 | 1.3 | 1.5 | 1.7 | 1.7 (NW) | 2.0 | Good | SM | Located within G473. Epicormic growth to trunk and birds' nest in canopy. | Monitor for symptoms of Dutch Elm Disease (Ophiostoma. novo-ulmi). | 20+ | B1 |
| T476 | English Elm (Ulmus minor var. vulgaris) | 8.0 | 160 | 1.2 | 2.0 | 1.4 | 1.7 | 2.5 (N) | 2.5 | Good | SM | Located within G473. | Monitor for symptoms of Dutch Elm Disease (Ophiostoma. novo-ulmi) | 20+ | B1 |
| T478 | English Oak (Quercus robur) | 17.0 | 250 | 0.9 | 2.5 | 2.7 | 2.4 | 2.5 (SW) | 2.0 | Good | SM | Located within G473. Good buttress root development. Drawn up and whippy in form from competition. | None. | 40+ | C1 |
| T479 | English Oak (Quercus robur) | 7.0 | 180 | 2.8 | 2.7 | 3.0 | 2.4 | 2.0 (NE) | 0.5 | Good | SM | Located on edge of G473 and overshadowed by adjacent trees. | None. | 40+ | C1 |
| G480 | 4No. Cherry (<i>Prunusa spp.</i>) | Av. 7.0 | AV. 210 | | Av. | 3.0 | | # | # | Fair to good | SM | Located on edge of G473 and growing in mutual competition. Some historic strimmer damage at base. Burrs | None | 40+ | C1 |



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|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|----------|--|---|---|------|
| | | | | | | | | | | | | present on NW tree. | | | |
| T481 | Malus spp. | 4.0 | 200 | 2.1 | 1.3 | 2.7 | 1.7 | 1.8 (NE) | 2.0 | Poor to Fair / Good | SM | Located in mown grass area. Lean to trunk with wound at base on S side to 1.0m Ht. with fungal bodies and further decay present. Torn limb wound on N side with decay Noted. | Monitor overall health via resurvey in 18 months. | 10+ | C1 |
| G482 | Cherry (Prunus spp.), Hornbeam (Carpinus betulus), Hawthorn (Crataegus monogyna), Common Alder (Alnus glutinosa), English Oak (Quercus robur), Blackthorn (Prunus spinosa) and Elder (Sambucus nigra) | 1.0 – 8.0 | Var. | Var. | # | # | # | Var. | 0.5 | Fair | Y- SM | Small group of fenced planted specimens growing in mutual competition. Redundant stakes and grazing guards present. | Remove redundant stakes and guards. | 40+ | C1 |
| T483 | Red Horse Chestnut (Aesculus x carnea) | 5.5 | 330 | 3.4 | 3.7 | 3.3 | 3.9 | 2.5 (N) | 1.5 | Fair | SM | Located in mown grass area on edge of G482. Good buttress root development. Woodpecker damage to trunk, with further symptoms of | Monitor overall health via resurvey in 18 months. | 20+ | C1 |



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|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|---|---|------|
| | | | | | | | | | | | | BCHC and leaf miner. | | | |
| T484 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 340 | 3.9 | 3.1 | 3.8 | 3.4 | 2.0 (S) | 2.0 | Poor to Fair | SM | Located in mown grass area on edge of G482. BCHC infection visible on trunk. Canopy loss on N side. | Monitor overall health via resurvey in 18 months. | 10+ | C1 |
| T485 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 410 | 4.6 | 3.3 | 5.2 | 4.0 | 2.0 (W) | 2.0 | Fair | EM | Located in mown grass area on edge of G482. Historic limb removal on S side with decay present. Leaf miner Noted. | None. | 20+ | B1 |
| T486 | Red Horse Chestnut (Aesculus x carnea) | 5.0 | 310 | 3.5 | 3.7 | 3.0 | 3.7 | 2.0 (S) | 1.5 | Fair | SM | Located in mown grass area on edge of G482. Historic wound at base on W side with some wound wood development. Crossing branches at fork junction. Leaf miner Noted. | None. | 20+ | C1 |
| T487 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 310 | 3.5 | 4.4 | 3.5 | 4.4 | 2.0 (W) | 1.5 | Fair | SM | Located in mown grass area on edge of G482. Woodpecker damage to trunk. Leaf miner Noted. | None. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|----------|--|--|---|------|
| T488 | English Oak (Quercus robur) | 13.0 | 630 | 5.0* | 6.8 | 5.6 | 7.0 | Forks at 1.5 | 2.0 | Fair | EM | Located in mown grass area. Cracked ground at base from drought. Linear faults below fork junction on SW and NE sides. Deadwood Noted within canopy. | Inspect fork junction for safety following heavy storms (above Beaufort 6 to 7). | 40+ | B1 |
| G489 | Cherry (Prunus spp.), Hornbeam (Carpinus betulus), English Oak (Quercus robur), Holly (Ilex aquifolium), Rose (Rosa spp.) and Bramble (Rubus fruiticosus) | 2.0 – 14.0 | Var. | Var. | # | # | # | Var. | 1.0 | Poor to Fair | Y- SM | Planted group on shallow bund behind wooden fence. Redundant stakes and grazing guards within. Scrubby in form and growing in competition. Dead specimens within. Large 600DBH Oak on SW corner adjacent to T490. Large limbs recently lost from T492 have felled younger trees within the northern extent of the group. | None. | 40+ | C1 |
| T490 | Red Horse Chestnut (Aesculus x carnea) | 8.0 | 380 | 4.0* | 5.0 | 4.1 | 4.3 | 3.0 (S) | 0.5 | Fair | SM | Located within mown grass on edge of G489. Historic mower damage at base. Canopy biased from competition with G489. | Monitor overall health via resurvey in 18 months. | 40+ | C1 |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| | | | | | | | | | | | | Symptoms of BCHC infection. | | | |
| T491 | Hornbeam (Carpinus betulus) | 8.0 | 230 | 4.4 | 4.0 | 4.4 | 3.8 | 1.8 (NE) | 2.0 | Fair | SM | Located in mown grass area. Historic mower damage at base and historic pruning wounds on trunk with varying degrees of wound wood development. | None. | 40+ | C1 |
| T492 | English Oak (Quercus robur) | 19.0 | 1,330 | 12.1 | 10.7 | 12.4 | 9.2 | 2.0 (S) | 1.5 | Fair | OM | Impressive tree located within area of mown grass. Two large limbs (c.400 and 500DBH) recently torn out and lying in situ at base with some evidence of recent chainsaw activity to them. Historic pruning wounds on trunk with varying degrees of wound wood development. Minor deadwood in canopy, some with decay Noted. Good buttress root development. | Consider processing of deadwood into smaller pieces and retention within G489 as a deadwood habitat feature. | 40+ | A1 / 3 |
| T493 | English Oak (Quercus robur) | 12.0 | 610 | 7.9 | 7.9 | 7.9 | 7.9 | Forks at 1.7 | 1.5 | Fair | SM | Located within area of mown grass. Minor deadwood in | None. | 40+ | A1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | lower canopy. Historic pruning wounds occluded. | | | |
| T494 | English Oak (Quercus robur) | 23.0 | 1,100* | 7.1 | 8.0* | 7.3 | 7.0 | 2.5 (W) | 0.5 | Fair | OM | Large tree located within G489. Large bird box on NW side with grey squirrel occupancy Noted. Ivy (Hedera helix) to 7.0m Ht. on trunk. Torn limb wounds in lower canopy and some dogleg branch formations from canopy reduction works. | None. | 40+ | A1 |
| T495 | Hornbeam (Carpinus betulus) | 7.0 | 220, 210 | 3.4 | 4.1 | 3.4 | 2.7 | Forks at 1.4 | 1.7 | Fair | SM | Located within mown grass area. Minor grazing damage to trunk. Linear wounds on trunk mostly occluded but some decay Noted. | None. | 40+ | C1 |
| T496 | English Oak (Quercus robur) | 11.0 | 250, 290, 280 | 4.7 | 4.7 | 4.5 | 4.7* | Forks at 1.4 | 1.7 | Fair | SM | Located within mown grass area and growing in competition with adjacent trees. Minor deadwood in lower canopy. Ground cracked at base from soil desiccation. | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T497 | Hornbeam (Carpinus betulus) | 10.0 | 320 | 4.2 | 4.1 | 4.7 | 4.8 | 2.0 (S) | 2.0 | Fair | SM | Located within mown grass area. Linear wound on trunk with varying degrees of wound wood development. Missing bark Noted on leaders from fork junction. | Monitor overall health via resurvey in 18 months. | 20+ | B1 |
| T498 | Hornbeam (Carpinus betulus) | 9.0 | 210, 210 | 4.3 | 4.0 | 3.0 | 3.0 | M/S from base | 2.0 | Fair | SM | Located within mown grass area. Many leaders from fork junction. Some bark loss Noted. | Monitor overall health via resurvey in 18 months. | 20+ | C1 |
| T499 | Cherry (Prunus spp.) | 3.0 | 330 | 4.0 | 3.3 | 3.6 | 3.0 | 1.7 (N) | 2.0 | Fair | EM | Located within mown grass area. Trunk is twisted in formation. Historic strimmer wound at base with sap exudation. Deformation of some terminal leaves Noted. | None. | 20+ | C1 |
| T500 | Hornbeam (Carpinus betulus) | 7.0 | 190 | 3.8 | 3.2 | 3.7 | 3.2 | 2.0 (E) | 1.5 | Fair | SM | Located within mown grass area. Recent strimmer damage to base with no wound wood development. Pest damage to leaves. | None. | 20+ | C1 |
| T501 | Conifer (Cupressocyparis spp.) | 3.5 | - | Av. 0.75 | # | # | # | 0# | 0.4 | Good | SM | Located within mown grass area. Feathered form. | None. | 40+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T506 | Swedish Whitebeam (Sorbus x intermedia) | 5.0 | 280 | 2.8 | 2.6 | 3.3 | 2.7 | 1.7 (SE) | 1.7 | Fair | SM | Located within mown grass area. Historic pruning wounds now occluded. | None. | 40+ | C1 |
| T507 | Swedish Whitebeam (Sorbus x intermedia) | 5.0 | 360 | 3.5 | 3.3 | 3.6 | 3.6 | 1.7 (S&E) | 2.0 | Fair | SM | Located within mown grass area. Historic pruning wounds now occluded. | None. | 40+ | C1 |
| T508 | Goat Willow (Salix caprea) | 5.0 | M/S x 15, Av. 90 to 120 | 3.6 | 2.9 | 3.8 | 1.6 | M/S from base | 0.0 | Fair | SM | Self sown specimen in area of mown grass. Scrubby form with deadwood within. | None. | 40+ | C1 |
| T509 | English Oak (Quercus robur) | 4.0 | <70, <70, <70, 110, 100 | Av. 1.2 | # | # | # | M/S from base | 3.0 | Fair | Y | Located in mown grass area. Canopy lifting wounds with varying degrees of occlusion. | None. | 40+ | C1 |
| T510 | English Oak (Quercus robur) | 7.0 | 490 | 4.4 | 4.8 | 4.2 | 4.4 | 1.7 (W) | 2.0 | Fair | EM | Located in mown grass area. Historic mower damage Noted on exposed shallow surface roots. Minor deadwood within. | None. | 40+ | B1 |
| T511 | English Oak (Quercus robur) | 6.0 | 240 | 2.3 | 3.1 | 3.1 | 1.5 | 1.6 (W) | 1.5 | Fair | SM | Located within mown grass area and over shadowed by T510. Some torn branch stubs Noted. | Consider removal to facilitate development of T510. | 20+ | C1 |
| T513 | Red Horse Chestnut (Aesculus x carnea) | 8.0 | 480 | 4.0* | 5.3 | 3.3 | 4.7 | 2.5 (S) | 0.5 | Fair | EM | Located within mown grass area. Deadwood present in canopy | Monitor overall health via resurvey in 18 months. | 20+ | C1 |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| | | | | | | | | | | | | with some decay Noted to underside of lower limbs. Leaf miner Noted. | | | |
| T514 | Goat Willow (Salix caprea) | 8.0 | M/S x 16, Av. 150 to 350 | 4.5* | 6.2 | 5.5 | 4.0 | M/S from base | 0.0 | Fair | M | Located in mown grass area on edge of railway track. Hawthorn saplings growing within to 4.0m Ht. | None. | 20+ | C1 |
| G515 | 4No. Grey Alder (Alnus incana) | 3.5 – 4.5 | Av. 140 | | Av. | 2.0 | | # | # | Poor | Y- SM | Located in mown grass area. Limb removal wounds near base with decay present. Hollow trunk on one specimen. | None. | 10+ | C1 |
| G516 | 5No. English Oak (Quercus robur) | Av. 8.0 | Av. 300 | | Av. | 4.5 | | # | # | Good | SM | Located in mown grass area and growing in mutual competition. Minor deadwood and woodpecker damage throughout. | None | 40+ | B1 |
| T517 | Goat Willow (Salix caprea) | 9.0 | 350*, 350*, 200*, 200*, 200*, 200* | Av. 4.0 | # | # | # | M/S from base | 0.0 | Fair | SM | Located between railway and ditch. Dense canopy. Historic pruning wounds with some decay holes Noted. | None. | 40+ | B1 |
| T519 | Norway Maple (Acer platanoides) | 6.0 | 150, 150 | 3.2 | 2.9 | 3.6 | 3.4 | M/S from base | 2.0 | Good | SM | Located in area of mown grass with shallow depression | None. | 40+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | around trunk. Historic pruning wounds with varying degrees of occlusion. | | | |
| T520 | Apple (Malus domestica) | 4.0 | 95, 180, 100, 160 | 3.2 | 3.0 | 2.7 | 2.1 | M/S from base | 2.0 | Fair | SM | Located in mown grass area with shallow depression around trunk. Limb removal at fork junction with no wound wood development. Woodpecker damage. Ground cracked at base from drought. | None. | 40+ | C1 |
| T521 | Norway Maple (Acer platanoides) | 4.0 | 260 | Av. 2.5 | # | # | # | 1.5 (W) | 2.0 | Fair | SM | Located in mown grass area with shallow depression around trunk. Some canopy dieback Noted on SW side. | None. | 20+ | C1 |
| T522 | Norway Maple (Acer platanoides) | 4.5 | 150, 110 | 2.4 | 2.7 | 2.0 | 2.3 | M/S from base | 2.0 | Fair | SM | Located in mown grass area with shallow depression around trunk. Historic pruning wounds occluded. | None. | 40+ | C1 |
| T531 | English Oak (Quercus robur) | 15.0 | 560, 580 | 8.9 | 8.3 | 8.8 | 8.8 | Forks at 0.75 | 1.8 | Good | EM | Located in mown grass area. Linear fault below fork junction. Minor deadwood in canopy. | None. | 40+ | A1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T532 | Norway Maple (Acer platanoides) | 4.5 | 100 | Av. 1.0 | # | # | # | 1.8 (N) | 2.0 | Fair | Y | Located in mown grass area. Pest damage to leaves. Historic wound at base 60% occluded. | None. | 40+ | C1 |
| T533 | Malus spp. | 2.5 | 120 | Av. 1.0 | # | # | # | 1.8 | 2.0 | Poor | SM | Located in mown grass area. Historic damage to base with decay Noted. Leans to S. Thin canopy development. | Remove and replace. | <10 | U |
| T534 | Hawthorn (Crataegus monogyna) | 4.5 | 180 | 2.5 | 1.9 | 2.4 | 2.5 | 1.8 (N) | 2.5 | Fair | SM | Located in mown grass area. Historic wounds on trunk with some decay Noted. | None. | 20+ | C1 |
| T535 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 14.0 | 590 | 4.0 | 6.8 | 7.5 | 7.5 | 4.5 (W) | 0.5 | Good | M | Located in mown grass area. Grazing damage to lower trunk with no wound wood development. Historic wound at buttress on E side with canker formation. | Monitor wound at base for signs of decay via resurvey in 18 months. | 40+ | A1 |
| T536 | Ash (Fraxinus excelsior) | 10.0 | 250 | 3.4 | 4.5 | 4.1 | 3.7 | 2.3 (SE) | 2.0 | Good | SM | Located in mown grass area. Historic strimmer damage to base with some wound wood development. | None. | 40+ | B1 |
| T537 | Ash (Fraxinus excelsior) | 7.0 | 200 | 4.1 | 3.8 | 3.0 | 4.3 | 2.0 (E) | 2.0 | Fair | SM | Located in mown grass area. Historic strimmer | Monitor overall health via resurvey in 18 months. | 40+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | damage to base with some wound wood development. Canopy thinner than T536. | | | |
| T538 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 11.0 | 580 | 6.9 | 5.4 | 5.4 | 5.2 | Forks at 3.0 | 1.0 | Fair | M | Located in mown grass area. Upper canopy thinning slightly. Historic pruning wounds mostly occluded. Birds nest in canopy. | None. | 40+ | A1 |
| T539 | Hawthorn (Crataegus monogyna) | 4.0 | 220 | 2.4 | 1.8 | 2.1 | 1.8 | 1.8 (W) | 2.5 | Fair | SM | Located in mown grass area. Minor epicormic growth. Woodpecker damage to trunk and large disused birds' nest at base of trunk. | None. | 40+ | C1 |
| T540 | Ash (Fraxinus excelsior) | 6.0 | 240 | 3.4 | 4.3 | 4.2 | 1.2 | 2.0 (SW) | 1.7 | Fair | SM | Located in mown grass area adjacent to storage containers. Ash flower galls from previous mite infestation Noted. | None. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T541 | Hawthorn (Crataegus monogyna) | 4.0 | 80, 100, 100, 110, 110, 90, 90, 70, 70 | Av. 2.0 | # | # | # | M/S from base | 2.0 | Fair | SM | Located in mown grass area. Some historic pruning wounds with no wound wood development and decay Noted. | None. | 20+ | C1 |
| T542 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 8.0 | 660 | 6.1 | 4.7 | 4.5 | 4.3 | Forks at 3.0 | 1.0 | Good | M | Located in mown grass at back of water storage tank. Many leaders from main fork junction. Historic pruning wounds on N side with decay Noted. Woodpecker wound on E in existing pruning wound and woodpecker holes on E & S sides, potentially linking to create a single hollow within the trunk. | Monitor wounds and extent of decay via resurvey in 18 months. | 40+ | B1 |
| T543 | Ash (Fraxinus excelsior) | 5.0 | 210 | 2.9 | 3.1 | 3.5 | 2.9 | 2.0 (S) | 1.8 | Fair | SM | Located in mown grass area. Good buttress root development. | None. | 40+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T544 | Ash (Fraxinus excelsior) | 17.0 | 480, 520 | 5.7 | 7.0 | 5.8 | 4.1 | Forks at 1.5 | 4.0 (S) | Fair | M | Located in mown grass. Linear fault present below fork junction before becoming included. Deadwood throughout canopy. Historic pruning wounds occluded. | None. | 40+ | B1 |
| T545 | Hawthorn (Crataegus monogyna) | 5.5 | 150, 150, <70, <70, <70, 190, 95, 160, 70 | 4.2 | 2.6 | 3.0 | 3.8 | M/S from base | 1.5 | Fair | SM | Located in mown grass and over shadowed by T544. | None. | 20+ | C1 |
| T546 | Red Horse Chestnut (Aesculus x carnea) | 8.0 | 440 | 4.8 | 6.0 | 3.9 | 4.9 | 1.8 (SE) | 0.5 | Fair | SM | Located in mown grass area and growing in competition with adjacent trees. Infected with BCHC and leaf miner. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T547 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 11.0 | 580 | 6.0 | 4.1 | 6.2 | 5.2 | 2.0 (NE) | 1.5 | Fair | EM | Located in mown grass area. Torn limb on NW side and canopy reduction wounds to limbs on S with decay Noted. Minor grazing | Monitor overall health via resurvey in 18 months. | 20+ | B2 |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| | | | | | | | | | | | | damage to lower trunk. Birds nest in canopy. | | | |
| T548 | Malus spp. | 6.0 | 350 | 5.5 | 4.3 | 6.0 | 4.7 | 2.0 (N) | 1.8 | Fair | EM | Located in mown grass area and over shadowed by competition with T547. Some deadwood Noted in canopy. | None. | 20+ | C2 |
| T550 | Hawthorn (Crataegus monogyna) | 6.0 | 430 | 4.1 | 2.3 | 3.7 | 4.5 | 2.0 (E) | 1.8 | Fair | SM | Located in mown grass area. Historic pruning wounds with varying degrees of occlusion. | None. | 20+ | C1 |
| T551 | Ash (Fraxinus excelsior) | 7.0 | 150 | 2.5 | 2.7 | 2.4 | 2.3 | 2.0 (S) | 2.0 | Fair | SM | Located in mown grass area. Historic pruning wounds now occluded. Deadwood and minor canopy dieback Noted within. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T552 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 340 | 4.0 | 3.9 | 3.3 | 1.7 | 2.0 (SE) | 2.0 | Poor | SM | Located in mown grass area. C.10% canopy foliage remaining. Large wound on E side of trunk with decay and further fallen fungal brackets at base on N side. Missing bark and woodpecker damage also Noted. | N/A | <10 | U |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T553 | Red Horse Chestnut (Aesculus x carnea) | 8.0 | 440 | 6.2 | 5.1 | 4.6 | 5.1 | 3.0 (S) | 2.0 | Fair | EM | Located in mown grass area at base of bank. Signs of BCHC infection and leaf miner. Large linear wound on E side with decay Noted. | Monitor overall health via resurvey in 18 months. | 10+ | C2 |
| T554 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 13.0 | 660 | 7.0 | 6.4 | 7.0 | 3.3 | 4.0 (NW) | 1.5 | Fair | M | Located in mown grass area at base of bank. Torn limb scar on N side with decay Noted. | Monitor extent of decay via resurvey in 18 months. | 20+ | B2 |
| T555 | Malus spp. | 8.0 | 220 | 2.8 | 2.8 | 2.8 | 3.5 | 1.7 (S) | 2.5 | Poor | SM | Located in mown grass area at base of bank adjacent to concrete steps. Limb on S side torn and hanging/resting on ground. Becoming overshadowed by T554. | Remove torn limb and retain in situ as deadwood. | 10+ | C2 |
| T558 | Hawthorn (Crataegus monogyna) | 3.5 | 240 | 1.9 | 0.4 | 1.1 | 1.4 | 1.3 (S) | 2.5 | Poor | SM | Located in mown grass area. Deadwood in canopy and poor foliage development this season. Further woodpecker damage to trunk. | Remove and replace. | <10 | U |
| T559 | English Oak (Quercus robur) | 7.0 | 350 | 4.9 | 4.5 | 4.7 | 4.4 | 2.0 (E) | 2.0 | Good | SM | Located in mown grass area in competition with T560. Cracked | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | ground at base from soil desiccation. Minor deadwood within canopy. | | | |
| T560 | English Oak (Quercus robur) | 7.0 | 270 | 4.4 | 3.7 | 3.9 | 4.4 | 2.5 (N) | 2.5 | Good | SM | Located in mown grass area in competition with T560. Cracked ground at base from soil desiccation. Minor deadwood within canopy. | None. | 40+ | B1 |
| T561 | English Oak (Quercus robur) | 7.0 | 310 | 5.6 | 4.7 | 5.6 | 5.1 | 1.8 (NE) | 2.5 | Fair | SM | Located in mown grass area. Slightly thin canopy Noted. | None. | 40+ | B1 |
| T562 | English Oak (Quercus robur) | 7.0 | 260 | 2.4 | 2.4 | 2.7 | 2.9 | 1.6 (SE) | 2.5 | Fair | SM | Located in mown grass area. Slight pest damage Noted on leaves. | None. | 40+ | B1 |
| T563 | English Oak (Quercus robur) | 7.0 | 300, 270 | 4.3 | 3.2 | 4.7 | 4.2 | M/S from 1.0 | 2.5 | Fair | SM | Located in mown grass area. Included bark below fork junction. Thinner canopy in comparison to adjacent trees with pest damage on leaves. | Monitor overall health via resurvey in 18 months. | 20+ | B1 |
| T564 | English Oak (Quercus robur) | 7.0 | 430 | 5.1 | 4.3 | 4.2 | 4.6 | 2.0 (S) | 2.0 | Fair | SM | Located in mown grass area. Exposed shallow surface roots with historic strimmer damage. Historic pruning wounds with varying | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--------------------------------|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|--|---|------|
| | | | | | | | | | | | | degrees of wound wood development. | | | |
| T565 | English Oak (Quercus robur) | 7.0 | 370 | 4.1 | 6.5 | 4.6 | 5.4 | 3.0 (W) | 1.8 | Fair | SM | Located in mown grass area. Good buttress root development. Some dead limbs in lower crown with decay Noted. | None. | 40+ | B1 |
| T566 | Ash (Fraxinus excelsior) | 8.0 | 330 | 3.8 | 4.6 | 4.5 | 4.0 | 2.0 (SE) | 1.0 | Fair | SM | Located in mown grass area. Ash flower galls Noted. Historic mower damage at based on buttress roots. | None. | 40+ | B1 |
| T567 | Ash (Fraxinus excelsior) | 5.0 | 190 | 0.6 | 3.6 | 1.8 | 1.8 | 2.3 (SW) | 2.0 | Poor | SM | Located in mown grass area and being supressed by T565 with stunted growth as a result. | Consider removal to favour development of T565. | 10+ | C1 |
| T568 | Ash (Fraxinus excelsior) | 8.0 | 170, 160 | 1.6 | 2.4 | 2.1 | 2.9 | M/S from base | 2.5 | Fair | SM | Located in mown grass. Soil erosion on E side to 20cm below ground level with roots severed and minor wound wood development. Trunks fused above fork junction. | Monitor overall health and exposed roots via resurvey in 18 months. | 10+ | C1 |
| T569 | English Oak (Quercus robur) | 9.0 | 560 | 6.3 | 6.2 | 5.9 | 5.8 | 3.0 (S) | 1.5 | Good | EM | Located in mown grass area. Historic pruning wounds now | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----------|---|---|---|------|
| | | | | | | | | | | | | occluded. Minor deadwood in canopy. | | | |
| T571 | Ash (Fraxinus excelsior) | 3.5 | 90 | Av. 1.3 | # | # | # | 2.0 (S) | 2.0 | Fair | Y | Located in mown grass area. Historic strimmer damage to base with minor wound wood development. Dead branch stub present in canopy. | None. | 20+ | C1 |
| G572 | Silver Birch (Betula pendula), Hawthorn (Crataegus monogyna), Goat Willow (Salix caprea), English Oak (Quercus robur), Bramble (Rubus fruiticosus) and Gorse (Ulex spp.) | Var. | Var. | Var. | # | # | # | Var. | Var. | Poor to Fair | Y – EM | Scrubby group growing in mutual competition on embankment adjacent to railway track. Larger Oak and Birch specimens within. | None. | 40+ | B1 |
| T573 | English Oak (Quercus robur) | 10.0 | 340, 290 | 5.1 | 1.9 | 2.8 | 6.8 | M/S from base | 0.5 | Fair | SM | Located in mown grass. Soil erosion on E side exposing shallow surface and buttress roots with one large root severed and fungal bracket present. Historic pruning wounds with varying degrees of | Monitor overall health via resurvey in 18 months. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|----------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|----------|---|---|---|------|
| | | | | | | | | | | | | occlusion. Slightly thin canopy and pest damage Noted to leaves. | | | |
| T574 | Ash (Fraxinus excelsior) | 8.0 | 210, 140, 80, 220 | 2.9 | 2.3 | 2.2 | 2.3 | M/S from base | 1.5 | Fair | SM | Located in mown grass. 1 of 4 leaders is dead with further woodpecker damage. Some minor foliage dieback Noted. | Monitor overall health via resurvey in 18 months. | 20+ | C1 |
| G575 | Silver Birch (Betula pendula), Hawthorn (Crataegus monogyna), Goat Willow (Salix caprea), English Oak (Quercus robur), Rose (Rosa spp.) and Bramble (Rubus fruiticosus) | 5.0 – 10.0 | Var. | Var. | # | # | # | Var. | 0.0 | Fair | Y- SM | Group of self sown vegetation and natural regeneration flanking disused section of railway line. Growing in mutual competition. | None. | 40+ | C1 |
| T577 | Goat Willow (Salix caprea) | 4.5 | M/S x 8, Av. 150 | 2.3 | 2.5 | 2.4 | 2.3 | M/S from base | 0.0 | Fair | SM | Located on edge of access road and railway line. Shrubby in form. | None. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|----------|--|---|---|------|
| G580 | Ash (Fraxinus excelsior), Silver Birch (Betula pendula), Goat Willow (Salix caprea), Gorse (Ilex spp.), Cherry (Prunus spp.) English Oak (Quercus robur) and Apple (Malus domestica spp.) | 2.0 – 12.0 | Var. | Var. | # | # | # | Var. | 0.0 | Poor to Fair | Y- EM | Located on edge of railway line adjacent to boundary fence. No direct access and limited visibility. | None. | 40+ | B1 |
| T581 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 310 | 2.8 | 3.7 | 4.0 | 3.4 | 2.0 (E) | 1.5 | Fair | SM | Located in mown grass. Historic pruning wounds occluded. Leaf miner Noted. | None. | 40+ | C2 |
| T582 | Red Horse Chestnut (Aesculus x carnea) | 5.5 | 3.9 | 4.3 | 5.3 | 4.9 | 3.4 | 1.8 (N) | 2.0 | Poor to Fair / Good | SM | Located in mown grass. BCHC infection Noted in addition to leaf miner. | Monitor progress of BCHC via resurvey in 18 months. | 10+ | C2 |
| T583 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 310 | 3.6 | 5.1 | 1.3 | 3.0 | 2.0 (SW) | 2.0 | Poor | SM | Located in mown grass. Dead limb in canopy and a large linear wound to base, both possibly the result of a lightning strike. Thin canopy and leaf miner Noted. | Remove and replace. | <10 | U |
| T584 | Ash (Fraxinus excelsior) | 7.0 | 200 | 2.8 | 2.1 | 2.4 | 1.9 | 2.5 (S) | 1.5 | Fair | SM | Located in mown grass. Historic pruning wounds near base 50% | None. | 20+ | C2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| | | | | | | | | | | | | occluded. Pest damage Noted to leaves. | | | |
| T585 | Ash (Fraxinus excelsior) | 6.0 | 120 | Av. 1.5 | # | # | # | 1.8 (N) | 3.0 | Fair | SM | Located in mown grass. Historic pruning wounds with varying degrees of occlusion. | None. | 20+ | C2 |
| T586 | Ash (Fraxinus excelsior) | 4.5 | 90, 100, 120 | Av. 3.0 | # | # | # | M/S from 0.3 | 1.7 | Fair | SM | Located in mown grass. Historic pruning wounds with varying degrees of occlusion. | None. | 20+ | C2 |
| T587 | English Oak (Quercus robur) | 8.0 | 360 | 3.6 | 5.0 | 2.8 | 3.7 | 3.0 (SW) | 2.0 | Good | SM | Located in mown grass on bank. Exposed shallow surface roots to E. Minor deadwood in canopy. | None. | 40+ | B2 |
| T588 | Red Horse Chestnut (Aesculus x carnea) | 7.5 | 300 | 3.7 | 3.7 | 2.9 | 3.0 | Forks at 2.5 | 1.5 | Fair | SM | Located in mown grass. Minor leaf miner but also pest damage to leaves. BCHC infection Noted. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C2 |
| T589 | Red Horse Chestnut (Aesculus x carnea) | 7.5 | 290 | 3.6 | 3.4 | 3.1 | 2.6 | 1.7 (E) | 1.5 | Fair | SM | Located in mown grass. Historic wound to trunk on N side with some wound wood development. Minor leaf miner but also pest damage to leaves. BCHC infection Noted. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C2 |
| T590 | Ash (Fraxinus excelsior) | 3.5 | 100 | 1.8 | 1.8 | 1.4 | 1.8 | 1.6 (S) | 1.6 | Fair | Y | Located in mown grass area. | None. | 40+ | C2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|---|---|-----------|
| | | | | | | | | | | | | Historic strimmer damage to base. | | | |
| T591 | Red Horse Chestnut (Aesculus x carnea) | 9.0 | 540 | 5.4 | 5.5 | 3.6 | 4.6 | 2.5 (SE) | 1.5 | Fair | EM | Located in mown grass area. Leaf miner and premature leaf abscission Noted. Cankers (not typical of BCHC) present on trunk. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T592 | Hawthorn (Crataegus monogyna) | 6.0 | M/S x 4, Av. 250 | Av. 3.9 | # | # | # | M/S from base | 2.0 | Fair | EM | Located at top of drainage ditch. Historic pruning wounds with varying degrees of occlusion and some decay Noted. Birds nest in canopy. | None. | 40+ | C1 / 3 |
| T593 | Apple (Malus domestica spp.) | 6.5 | 330, 460 | 6.2 | 6.2 | 5.8 | 6.3 | M/S from 1.0 | 1.5 | Fair | M | Located in area of mown grass. Open linear fault below fork junction with internal decay Noted. | Inspect after heavy storms (Beaufort 6 to 7) and monitor overall health via resurvey in 18 months. | 20+ | B1 / 3 |
| T594 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 370 | 5.2 | 5.6 | 4.6 | 5.4 | Forks at 2.5 | 1.0 | Fair | SM | Located in area of mown grass. Historic pruning wound at base with good wound wood development. BCHC Noted around fork junction. Leaf miner present. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|---|---|------|
| T595 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 14.0 | 625 | 6.9 | 7.1 | 4.2 | 7.9 | Forks at 3,5 | 1.0 | Good | EM | Located in area of mown grass. Historic limb removal wounds in canopy with varying degrees of occlusion. | None. | 40+ | B2 |
| T596 | Malus spp. | 3.0 | 110 | 1.6 | 1.1 | 1.6 | 1.5 | Forks at 1.6 | 1.6 | Fair | Y | Located in area of mown grass. Stunted growth and canopy development. Historic strimmer damage at base with decay. | Monitor progress of decay at base and overall health via resurvey in 18 months. | 20+ | C2 |
| T597 | Hawthorn (Crataegus monogyna) | 4.5 | <70, <70, 95, 80, 150, 110, 210 | 3.1 | 3.5 | 3.5 | 2.9 | M/S from base | 2.0 | Fair | EM | Located in area of mown grass. Historic mower damage at base with decay. Dying limb on N side with further tear out and decay Noted. Minor woodpecker damage to trunk. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T598 | English Oak (Quercus robur) | 9.0 | 450 | 4.9 | 5.7 | 5.1 | 4.8 | 2.5 (S) | 1.5 | Good | SM | Located in area of mown grass. Good buttress root development. Minor deadwood in lower canopy. | None. | 40+ | B2 |
| T599 | Malus spp. | 7.0 | 280 | 3.7 | 3.1 | 4.1 | 3.1 | 1.8 (NE) | 1.0 | Fair | SM | Located in area of mown grass. Minor pest damage to leaves and some deadwood in lower canopy. | None. | 20+ | C2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T600 | English Oak | 10.0 | 520 | 5.9 | 7.2 | 7.2 | 6.9 | Forks at 2.0 | 1.0 | Good | SM | Located in area of mown grass at top of drainage ditch. Growing in competition with T601. Epicormic growth to limbs. Minor deadwood in lower canopy. | None. | 40+ | B2 |
| T601 | English Oak | 11.0 | 455, 310 | 7.3 | 5.9 | 7.9 | 6.6 | M/S from 1.2 | 2.0 | Good | SM | Located in area of mown grass. Deadwood in lower canopy, some with decay. In competition with adjacent trees. Included bark present below fork junction. | None. | 40+ | B1 |
| T602 | English Oak | 15.0 | 510 | 5.8 | 6.4 | 6.1 | 4.9 | 2.5 (S) | 2.0 | Good | SM | Located in area of mown grass. Minor deadwood in lower canopy with decay. In competition with adjacent trees. | None. | 40+ | B1 |
| T603 | Ash (Fraxinus excelsior) | 9.0 | 280 | 2.9 | 4.2 | 4.2 | 5.3 | 2.0 (S) | 2.0 | Poor | SM | Located in mown grass and being supressed by T604. Several dead limbs in lower canopy. | Remove to favour development of T604. | 10+ | U |
| T604 | English Oak | 10.0 | 465 | 5.3 | 4.6 | 4.5 | 8.4 | 2.0 (W) | 1.5 | Fair | SM | Located in area of mown grass and growing in competition with adjacent trees. Minor deadwood in lower branches, | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | some with decay present. | | | |
| T605 | English Oak | 9.0 | 390 | 5.4 | 5.5 | 4.3 | 7.2 | 2.0 (E) | 1.5 | Fair | SM | Located in area of mown grass and growing in competition with adjacent trees. Minor deadwood in lower branches, some with decay present. | None. | 40+ | B1 |
| T606 | English Oak | 4.0 | 350 | 2.8 | 3.9 | 4.8 | 5.7 | 2.0 | 1.5 | Fair | SM | Located in area of mown grass. Stunted growth and dieback to canopy tips. | Monitor overall health via resurvey in 18 months. | 40+ | C1 |
| T607 | Red Horse Chestnut (Aesculus x carnea) | 5.5 | 200 | 3.5 | 1.2 | 3.4 | 1.8 | Forks at 1.7 | 2.0 | Poor | SM | Located in mown grass. Historic pruning and linear wounds on trunk with varying degrees of wound wood development. Canopy dieback on S side likely the result of a large linear wound on S side of trunk and subsequent lack of xylem. | Remove and replace. | <10 | U |
| T608 | English Oak (Quercus robur) | 13.0 | 650 | 8.1 | 8.2 | 9.4 | 7.7 | Forks at 2.5 | 1.5 | Good | EM | Located in mown grass area. Historic pruning wounds with varying degrees of wound wood development. | Identify cause of staining and significance to health of the tree (within 18 months). | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| | | | | | | | | | | | | Dark staining Noted to trunk. Some deadwood in canopy with decay Noted. | | | |
| T609 | Ash (Fraxinus excelsior) | 7.0 | 220 | 3.5 | 4.1 | 3.2 | 2.9 | 2.5 (S) | 1.5 | Fair | SM | Located in area of mown grass. Minor deadwood in canopy. | None. | 40+ | C1 |
| T610 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | 370 | 5.3 | 6.5 | 7.4 | 4.9 | 1.6 (S) | 2.5 | Fair | SM | Located in area of mown grass. Minor deadwood throughout canopy. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T611 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 5.0 | 140 | Av. 2.5 | # | # | # | Forks at 2.0 | 2.5 | Fair | Y | Located in area of mown grass. Kink to trunk from removal of previous second leader. Epicormic growth to trunk. | None. | 40+ | C2 |
| T612 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 9.0 | 410 | 4.8 | 5.7 | 7.5 | 3.8 | 2.0 (E) | 2.5 | Fair | SM | Located in mown grass area. Torn limb scar on W side with decay Noted. Further canopy reduction wounds on E side with varying degrees of occlusion. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T613 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 9.0 | 390 | 6.3 | 4.7 | 4.9 | 4.5 | Forks at 4.5 | 0.5 | Fair | SM | Located in mown grass area. Minor deadwood in lower canopy. | None. | 40+ | B2 |
| T614 | Corkscrew Willow (Salix matsudana 'Tortuosa') | 4.5 | 130 | 1.6 | 1.1 | 0.9 | 1.1 | 1.8 (N) | 2.5 | Poor | Y | Located in mown grass area. C.10% canopy foliage remaining with a large | Remove and replace. | <10 | U |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| | | | | | | | | | | | | amount of deadwood present. | | | |
| T615 | Corkscrew Willow (Salix matsudana 'Tortuosa') | 3.5 | 85 | Av. 0.75 | # | # | # | Forks at 1.6 | 1.8 | Poor | Y | Located in mown grass area. C.50% canopy foliage remaining. Historic wound at base with decay present. Exposed shallow surface roots. | Remove and replace. | <10 | U |
| T616 | Horse Chestnut (Aesculus hippocastanum) | 3.0 | 80 | 0.9 | 1.2 | 0.7 | 1.3 | 2.0 (SW) | 2.5 | Poor | Y | Located within area of mown grass. Thin canopy and large amount of deadwood. Wound on W side at base of trunk almost occluded. Severe cracks to ground at base from drought. | Remove and replace. | <10 | U |
| T618 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 320 | 3.5 | 3.9 | 3.9 | 3.5* | Forks at 3.0 | 2.0 | Fair | SM | Located in area of mown grass adjacent to storage container. Linear wounds to trunk and further historic pruning wounds with decay. Some epicormic growth on trunk. Leaf miner present. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T619 | Red Horse Chestnut | 7.0 | 390 | 3.5* | 4.5 | 2.5 | 3.5* | 2.0 (N) | 2.0 | Poor | SM | Located in area of bare ground. Large wound on | Remove. | <10 | U |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | (Aesculus x carnea) | | | | | | | | | | | SE wide with decay present. No foliage development on N limbs. Leaf miner present. | | | |
| T620 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 370 | 4.9 | 4.8 | 4.4 | 4.6 | Forks at 2.0 | 1.5 | Fair | SM | Located in mown grass at top of bank. Linear wound on N side of trunk with some wound wood development. Strangler root on E side of trunk with mower damage. Infected with BCHC. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C2 |
| T621 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 350 | 4.2 | 5.9 | 4.8 | 4.5 | 2.5 (W) | 1.5 | Fair | SM | Located in mown grass at top of bank. Infected with BCHC and pest damage Noted to leaves. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C2 |
| T622 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 260, 130 | 4.3 | 5.0 | 3.7 | 3.8 | M/S from base | 2.0 | Fair | SM | Located in mown grass at top of bank. Deadwood present in lower canopy. Infected with BCHC and pest damage Noted to leaves. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C2 |
| T623 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 430 | 4.3 | 4.9 | 4.8 | 4.2 | Forks at 2.0 | 2.0 | Fair | EM | Located in mown grass at top of bank. Infected with BCHC and pest damage Noted to leaves. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| T624 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 330 | 5.1 | 5.2 | 4.6 | 4.8 | 2.5 (SW) | 1.5 | Fair | SM | Located in mown grass adjacent to footpath. Leaf miner and pest damage Noted. Infected with BCHC. Linear wound with decay on exposed shallow surface root on S side. | Monitor overall health and progress of BCHC via resurvey in 18 months. | 20+ | C2 |
| T625 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 360 | 5.4 | 3.7 | 5.1 | 4.3 | 2.5 (SW) | 1.7 | Poor | SM | Located in mown grass adjacent to footpath. Large wound on SE side from base to 0.75m Ht. with some wound wood but also decay. Further large wounds on N and W sides. Woodpecker hole on S side at 2.0m Ht. | Consider for removal and replacement. | 10+ | C2 |
| T626 | Horse Chestnut (Aesculus hippocastanum) | 7.0 | 445, 500, 360 | 5.2 | 6.1 | 5.1 | 5.2 | M/S from 0.75 | 2.0 | Fair | EM | Located in mown grass area. Exposed shallow surface roots at base. Three leaders from fork junction at 0.75m Ht. with further forking above. Leaf miner and pest damage to leaves. | None. | 20+ | B2 |



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| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| T627 | Hawthorn (Crataegus monogyna) | 5.5 | 170, 140, 100, 110, 110, 115 | 2.9 | 3.4 | 3.0 | 3.0* | M/S from base | 2.5 | Fair | SM | Located in mown grass. Some dead limbs in canopy. | None. | 20+ | C2 |
| T628 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 13.5 | 710 | 6.5 | 8.2 | 8.9 | 6.3 | Forks at 2.5 | 1.0 | Good | M | Located in mown grass area. Some deadwood and decay in canopy. Woodpecker hole on E side of trunk at 5.0m Ht. | None. | 40+ | B2 |
| T629 | Horse Chestnut (Aesculus hippocastanum) | 9.0 | 430 | 5.0 | 4.1 | 4.9 | 6.6 | 2.5 (N) | 1.0 | Fair | EM | Located in mown grass area. Underground structure Noted to N. Large linear wound on NE side with decay. Leaf miner and pest damage on foliage. Symptoms of BCHC. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C2 |
| T630 | Horse Chestnut (Aesculus hippocastanum) | 14.0 | 760 | 6.8 | 7.1 | 5.7 | 6.8 | M/S from 1.7 | 0.5 | Fair | M | Located in mown grass area. Underground structure Noted to S. Exposed shallow surface roots at base. Many leaders from fork junction. Leaf miner and pest damage on foliage. Several burrs on trunk. | None. | 20+ | B2 |



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|------------|---|----------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| T631 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 470 | 3.8 | 4.9 | 4.6 | 3.5 | 2.0 (S) | 1.8 | Fair | EM | Located in mown grass area. Exposed shallow surface roots at base. Large wound on NW side with minor wound wood development. Symptoms of BCHC. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | C1 |
| T632 | Hawthorn (Crataegus monogyna) | 3.5 | 120, <70, 90, 80, 80 | 2.6 | 2.2 | 3.1 | 2.6 | M/S from base | 1.7 | Good | SM | Located in mown grass area. | None. | 40+ | C1 |
| T633 | Red Horse Chestnut (Aesculus x carnea) | 7.0 | 550 | 5.2 | 4.0 | 5.5 | 5.2 | 2.0 (S) | 1.5 | Fair | EM | Located in mown grass area. Torn limb wound on S side and historic wound on N side of trunk, both with decay. Early symptoms of BCHC. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | B2 |
| T634 | Red Horse Chestnut (Aesculus x carnea) | 6.0 | 500 | 3.2 | 3.9 | 6.7 | 5.3 | 3.0 (SW) | 1.5 | Fair | EM | Located in mown grass area. Minor exposed shallow surface roots. Torn limb wounds on trunk and lower branches, some with decay present. Symptoms of BCHC. Birds nest in canopy. | Monitor progress of BCHC via resurvey in 18 months. | 20+ | B2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---------------------------------------|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|--|---|------|
| T635 | Norway Maple (Acer platanoides) | 6.0 | 270 | 4.5 | 4.2 | 3.5 | 3.9 | 1.8 (S) | 1.7 | Good | SM | Located in mown grass area. Historic pruning wounds occluded. | None. | 40+ | B1 |
| T636 | Hawthorn (Crataegus monogyna) | 3.5 | 255, 260, 160 | 3.3 | 2.2 | 2.7 | 2.9 | M/S from 0.5 | 2.0 | Fair | SM | Located in mown grass area. Historic pruning wounds at fork junction with varying degrees of occlusion. | None. | 40+ | C1 |
| T637 | Norway Maple (Acer platanoides) | 7.0 | 270 | 1.7 | 3.7 | 3.2 | 3.2 | 1.8 (NW) | 2.0 | Fair | SM | Located in mown grass area. Minor deadwood in lower canopy. | None. | 40+ | C1 |
| T638 | Norway Maple (Acer platanoides) | 7.0 | 200, 170 | Av. 2.5 | # | # | # | M/S from base | 2.0 | Fair | SM | Located in mown grass area. Minor deadwood in lower canopy. | None. | 40+ | C1 |
| T639 | Norway Maple (Acer platanoides) | 7.0 | 170 | 1.9 | 2.1 | 1.8 | 2.1 | 2.0 (SW) | 1.8 | Fair | SM | Located in mown grass area. Minor deadwood in lower canopy. Pest damage Noted to leaves. | None. | 40+ | C1 |
| T640 | Hawthorn (Crataegus monogyna) | 3.5 | 125, 225 | 4.1 | 3.7 | 3.7 | 4.0 | 1.2 (W) | 1.8 | Fair | SM | Located in mown grass area. Minor deadwood in lower canopy and minor epicormic growth to trunk. | None. | 40+ | C1 |



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|------------|---|----------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|--|---|-----------|
| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| T641 | Hawthorn (Crataegus monogyna) | 3.0 | <70, <70, <70, <70, 95, 110, 100, 70, 110, | 3.6 | 3.5 | 3.6 | 2.9 | Forks at 0.3 | 1.8 | Fair | SM | Located in mown grass area. Historic pruning wounds with varying degrees of occlusion. | None. | 40+ | C1 |
| T642 | Norway Maple (Acer platanoides) | 8.0 | 275 | 3.7 | 3.5 | 3.1 | 3.4 | 1.6 (W) | 1.5 | Good | SM | Located in mown grass area. Exposed shallow surface roots on W side with historic mower damage. Pest damage to leaves. | None. | 40+ | C1 |
| T643 | Hawthorn (Crataegus monogyna) | 1.7 | 130 at 0.5m Ht. | Av. 2.0 | # | # | # | Forks at 0.7 | 0.7 | Good | Y | Located in mown grass area. Low branching form. | None. | 40+ | C1 / 2 |
| T644 | Hawthorn (Crataegus monogyna) | 2.5 | 180, 110, 125 | 3.2 | 2.8 | 1.8 | 2.9 | Forks at 0.5 | 2.0 | Good | SM | Located in mown grass area. | None. | 40+ | C1 |
| T646 | Horse Chestnut (Aesculus hippocastanum) | 8.0 | 625 | 4.8 | 5.5 | 3.7 | 5.0 | Forks at 2.5 | 1.8 | Fair | EM | Located on edge of soft landscape area in informal car park area adjacent to chain link fence which is beginning to foul trunk development. Leaf miner Noted. | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|-------------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|-----------|
| T650 | Large leaved Lime (Tilia platyphyllos) | 8.0 | 520 | 5.7 | 5.0 | 4.9 | 5.3 | 2.5 (S) | 1.6 | Fair | EM | Located in mown grass verge. Nail galls Noted on leaves. Strangler root on N side at base. Black staining Noted at base of trunk on W side. | Monitor progress of staining and overall health via resurvey in 18 months. | 40+ | B1 / 2 |
| T651 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 9.0 | 510 | 4.4 | 6.8 | 4.5 | 6.9 | Forks at 2.0 | 1.5 | Fair | EM | Located in area of mown grass. Historic pruning wounds now occluded. Minor exposed shallow surface roots on west side with historic mower damage. | None. | 40+ | B1 |
| T653 | Apple (Malus domestica spp.) | 6.0 | 240, 150 | 3.0 | 2.7 | 3.6 | 3.5 | Forks at 0.3 | 2.0 | Good | SM | Located in mown grass area. Historic pruning wounds with decay and further deadwood in lower canopy. | Monitor overall health via resurvey in 18 months. | 20+ | C1/ 3 |
| T654 | Goat Willow (Salix caprea) | 5.5 | 210, 270, 240, 190, 165 | Av. 7.0 | # | # | # | M/S from base | 2.0 | Fair | EM | Located in area of mown grass. 3 leaders from base, all of which have fallen out and are growing along the ground before rising vertically. Large historic pruning wounds at fork junction with varying degrees of wound wood | Monitor overall health via resurvey in 18 months. | 20+ | C1/ 3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|-------------------------------------|----------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| | | | | | | | | | | | | development with decay also. Woodpecker damage to trunks and active wood pigeon nest within canopy. | | | |
| T655 | Goat Willow (Salix caprea) | 5.5 | 150, 70, 95, 100, 145, 130, | Av. 4.0 | # | # | # | M/S from base | 1.8 | Fair | SM | Located in area of mown grass. Formed of large diameter regrowth from previously felled tree. Several pruning wounds with decay in fork junction at base. | Monitor overall health via resurvey in 18 months. | 20+ | C1 |
| T656 | English Oak (Quercus robur) | 13.0 | 590 | 7.0* | 7.2 | 7.0 | 6.5 | 2.0 (SW) | 2.0 | Good | EM | Located in mown grass area on edge of drainage ditch. Decay Noted to historic pruning wounds on trunk. | None. | 40+ | B1 |
| T657 | Hawthorn (Crataegus monogyna) | 4.5 | M/S x 4, Av. 100 | Av. 4.0 | # | # | # | 0.2 (N) | 0.0 | Fair | EM | Located outside of Site boundary in an area of unmanaged grass. Fallen deadwood located at base. Scrub like form. | None. | 20+ | C3 |
| T658 | Hawthorn (Crataegus monogyna) | 3.0 | M/S x 6, Av. 40 | Av. 1.5 | # | # | # | 0.0 (N) | 0.0 | Good | Y | Located in an area of unmanaged grass. Fallen deadwood located at base. Bush like form. | None. | 20+ | C3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|---------------|--|---|---|----------|
| T659 | English Oak (Quercus robur) | 14.0 | 890 | 10.6 | 11.0 | 12.2 | 10.9 | 1.5 (W) | 1.0 | Good | М | Located in an area of unmanaged grass. Wide, spreading and squat but balanced form. Minor canopy deadwood present. | None. | 40+ | A2/ 3 |
| G660 | 7No. Lombardy Poplar (<i>Populus</i> <i>nigra</i>) | Av. 18.0 | 320 to 520 | Av. 2.0 | # | # | # | Av. 1.5 – 2.0 | 1.0 – 2.0 | Fair to Good | SM - EM | Located in an area of unmanaged grass as a short, informal line of similar aged trees. Some variation in vigour with 2 weaker specimens Noted. Some canopy deadwood present. | Consider selective thinning to favour better specimens. | 20+ | C2 |
| T661 | Elder (Sambucus nigra) | 5.0 | 240 | 2.7 | 1.8 | 2.1 | 2.2 | Av. 1.8 | 1.7 | Fair | М | Located in an area of unmanaged grass. Upper branches appear torn and snagged. Canopy deadwood present. | None. | 10+ | C3 |
| T662 | English Oak (Quercus robur) | 13.0 | 830 | 9.0 | 11.0 | 10.6 | 11.3 | 3.0 (E) | 1.5 | Fair to Good | M | Located in an area of scrub and unmanaged grass within possible former hedgerow. Generally balanced, large and spreading | None. | 40+ | A2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---|----------------------------|-----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----------|--|--|---|------|
| | | | | | | | | | | | | canopy with some deadwood present. Large fungal bracket at base on W side. | | | |
| G663 | Elder (Sambucus nigra), Hawthorn (Crataegus monogyna), Bramble (Rubus fruiticosus), Blackthorn (Prunus spinosa) | Av. 3.5 | Var. | Var. | # | # | # | Var. | Var. | Fair to Good | Y – SM | Comprises a defunct and scrubby hedgerow located next to an area of unmanaged grass. | None. | 20+ | C3 |
| T664 | Goat Willow (Salix caprea) | 5.0 | M/S x 4, Av. 40 | 5.3 | 5.0 | 7.0 | 6.0 | 0# | 0.0 | Fair to Good | М | Located in an area of unmanaged grass. Four lateral trunks split out from base with deadwood but also some regeneration present. | None. | 20+ | C3 |
| T666 | Hawthorn (Crataegus monogyna), | 4.0 | M/S x 9, Av. 90 | Av. 3.5 | # | # | # | MS (not visible) | MS (not visible) | Fair to Good | SM | Located at the end of G665. Bushy in form with limited visual access as a result. | None. | 20+ | C3 |
| T668 | Hawthorn (Crataegus monogyna) | 4.0 | 130 | Av. 3.0 | # | # | # | Av. 1.0 | Av. 1.0 | Fair | Y | Young tree located at the base of G667 and slightly suppressed by adjacent trees. | None. | 10+ | C3 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|--|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| T671 | Apple (<i>Malus</i> spp.) | 3.5 | M/S x 2, 260, 160 | 4.4 | 1.3 | 1.9 | 2.6 | M/S from base | 2.0 (NW) | Fair | SM | Located within mown grass on the peripheries of G672. Historic pruning wounds with varying levels of wound wood development. Rust staining Noted on bark. | Monitor overall health via resurvey in 18 months. | 20+ | C1 |
| T674 | Blackthorn (Prunus spinosa) | 4.5 | M/S x 5, 90, 80, 110, 85, 140 | 3.5 | 2.7 | 3.5 | 2.7 | M/S from base | 2.0 | Fair | SM | Located within mown grass area. M/S from base. Nest located in canopy; represents habitat value. | None. | 10+ | C1 |
| T676 | White Willow (<i>Salix alba</i>) | 10.0 | M/S x 4, 300, 250, 230, 270 | Av. 5.5 | # | # | # | M/S from 0.3 | 4.0 | Poor | SM | Located within W226. Thin canopy dominated by deadwood. Approximately 5% canopy area remaining. | None. | 10+ | C1 |
| T691 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | M/S x 2, Av. 335, 470 | 6.4 | 5.4 | 5.5 | 7.5 | M/S from 0.5 | 0.5 | Good | EM | Located within mown grass. Historic pruning wounds present with varying levels of wound wood development. | None. | 40+ | B1 |
| T692 | Small leaved Lime (<i>Tilia</i> cordata) | 7.5 | 600 | 5.3 | 5.4 | 4.9 | 5.3 | 1.5 (NW) | 2.0 | Fair | EM | Located within mown grass. Metal chain is embedded within main fork junction and around western limb. | Monitor overall health via resurvey in 18 months. | 40+ | C2 |



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|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|---|---|------|
| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
| T693 | Common Alder (Alnus glutinosa) | 5.0 | 130 | 0.9 | 3.0 | 2.4 | 1.0 | 2.5 (NE) | 2.5 (E) | Fair | Y | Located within mown grass. Wound at fork junction from the removal of a previous second leader with decay present. Canopy growing in competition with T692. | Monitor wound in fork junction via resurvey in 18 months. | 20+ | C1 |
| T694 | Horse Chestnut (Aesculus hippocastanum) | 8.0 | 520 | 5.2 | 3.6 | 4.7 | 5.3 | Forks at 2.5 | 1.5 (E) | Fair | EM | Located within mown grass. Evidence of leaf minor. Ivy established to 6.0m. Minor root girdling present at base. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T695 | Small leaved Lime (<i>Tilia</i> cordata) | 8.0 | 430 | 4.6 | 3.7 | 4.0 | 2.0 | 2.0 (SE) | 2.0 (S) | Fair | SM | Located within mown grass. Evidence of leaf minor. Epicormic growth and suckers recently removed. Some canopy deadwood and decay present. | Monitor overall health via resurvey in 18 months. | 20+ | C2 |
| T696 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 14.0 | 750 | 8.3 | 7.5 | 8.0* | 9.2 | 2.5 (W) | 2.0 | Poor | М | Located within mown grass. Historic pruning present with varying levels of wound wood development. Rot holes present within the tree represent habitat value. Historic | None. | 40+ | B2 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
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| | | | | | | | | | | | | strimmer damage present at the tree base. | | | |
| T697 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | 430 | 5.6 | 5.8 | 3.5 | 9.3 | 2.5 (W) | 2.0 | Poor | SM | Located within mown grass. Located adjacent to a recently constructed path to the east. Canopy appears thin in comparison with adjacent trees of the same species. Deadwood present in lower canopy. | None. | 10+ | C1/ 2 |
| T698 | Silver Maple (Acer saccharinium) | 8.0 | 640 | 6.9 | 7.0 | 6.1 | 8.5 | Forks at 2.0 | 1.5 (SW) | Fair | EM | Located within mown grass. Epicormic growth appears to have been recently removed from stem. | None. | 40+ | B1 |
| T699 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | 520 | 6.8 | 6.7 | 6.0 | 7.5 | 1.8 (N) | 2.0 | Fair | EM | Located within mown grass. Historic pruning present with varying levels of wound wood development. Evidence of historic canopy lifting. Minor canopy deadwood present. | None. | 20+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| T700 | Spindle (Euonymus europaeus) | 4.0 | 120* | Av. 2.5 | # | # | # | Forks at 1.7 | 2.0 | Fair | SM | Located within mown grass. Forms a hedge at the base with a main leader rising from the centre. Lower 'hedge' portion maintained. | None. | 20+ | C1 |
| T701 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | 605 | 9.0 | 6.0 | 7.3 | 6.0 | 1.8 (W) | 2.0 | Fair | EM | Located within mown grass. Good buttress root development. Some deadwood and canopy dieback located within the lower canopy. | Monitor overall health via resurvey in 18 months. | 20+ | B1 |
| T702 | Cherry (<i>Prunus</i> spp.) | 6.0 | 90 | 1.4 | 0.5 | 1.7 | 0.4 | Forks at 2.0 | 2.5 (N) | Poor | Y | Located within mown grass. Main trunk leans to the east. Poor form and poor foliage development. | Remove and replace. | <10 | U |
| T703 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 9.0 | 660 | 8.7 | 5.6 | 7.6 | 7.9 | 1.8 (N) | 2.5 | Fair | EM | Located within mown grass. Some branch stubs and deadwood Noted in lower canopy. | None. | 40+ | B1 |
| T704 | Ash (<i>Fraxinus</i> excelsior) | 10.0 | M/S x 4, Av. 300 | 4.7 | 5.6 | 7.7 | 5.3 | M/S from 0.3 | 1.5 (W) | 20+ | EM | Located within mown grass. Dense Ivy (Hedera helix) growth present to 9.0m up trunk and into canopy with limited visual | Monitor for signs of Ash Dieback | 20+ | B1 |



| Ref. | Species | Estimated | Stem | Canopy | Canopy | Canopy | Canopy | Direction | Canopy | Physiological | Age | Observations | Preliminary | Estimated | Cat. |
|------|--|------------|------------------------------------|------------------------|------------------------|-----------------------|-----------------------|--|------------------|---------------|-----|--|---|--------------------------------------|------|
| No | G | Height (m) | Dia. (mm) | Spread (m) North | Spread (m) South | Spread (m) East | Spread (m) West | of First Significant Branch (m) | Clearance (m) | Condition | 90 | and Conditions | Management Recommendations | Remaining Contribution (years) | |
| | | | | | | | | | | | | access as a result. | | | |
| T705 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 6.0 | 370 | 6.5 | 5.7 | 5.5 | 7.0 | Forks at 1.8 | 2.5 | Fair | SM | Located within mown grass. Some deadwood located in lower canopy. Historic strimmer guard at base. | Remove redundant strimmer guard. | 20+ | C1 |
| T706 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 11.0 | 640 | 6.5 | 7.4 | 8.0 | 7.7 | Forks at 2.0 | 2.5 | Fair | EM | Located within mown grass. Some deadwood located in lower canopy with decay Noted. | None. | 20+ | B1 |
| T708 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 12.0 | 590 | 9.2 | 6.9 | 7.9 | 6.5 | 2.0 (N) | 2.5 | Fair | EM | Located within mown grass. Some deadwood and branch stubs located in lower canopy. Minor woodpecker damage Noted. | None. | 40+ | B1 |
| T709 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 8.5 | M/S x 3, 235, 165, 550 | 6.8 | 4.0 | 5.6 | 5.7 | M/S from 0.5 | 2.5 | Fair | SM | Located within mown grass. Decay Noted upon buttress roots. Historic mower damage present with some wound wood development. Some deadwood located in lower canopy. | Monitor overall health via resurvey in 18 months. | 20+ | C1 |
| T710 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 8.0 | M/S x 2, 440, 430 | 7.5 | 3.8 | 5.6 | 6.9 | Forks at 0.75 | 2.5 | Fair | SM | Located within mown grass. Large (c. 200m) diameter shallow exposed surface | Monitor overall health via resurvey in 18 months. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|--|--|---|------|
| | | | | | | | | | | | | root. With historic mower damage. Fused stems and branch stubs Noted in canopy. | | | |
| T711 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 9.5 | 600 | 9.6 | 7.9 | 5.8 | 8.0 | 1.8 (E) | 2.5 | Fair | EM | Located within mown grass. Deadwood and branch stubs located in lower canopy, some with decay Noted. | None. | 40+ | B1 |
| T712 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | 560 | 8.0 | 6.6 | 8.9 | 6.3 | 2.0 (NE) | 2.5 | Fair | EM | Located within mown grass. Minor canopy deadwood present. | None. | 40+ | B1 |
| T713 | Weeping Willow (Salix x sepulcralis 'Chrysocoma') | 10.0 | 710 | 9.5 | 6.1 | 6.2 | 8.6 | 1.5 (NW) | 2.5 | Fair | EM | Located within mown grass. Low branching form. Fused stems below main fork at 1.25m. Small hazard beam crack on a northern branch with branch now resting on an adjacent branch. | None. | 20+ | B1 |
| T714 | English Oak (Quercus robur) | 13.0 | 550 | 6.7 | 7.4 | 9.2 | 6.4 | Forks at 2.75 | 0.5 (NW) | Fair | EM | Located on railway bank adjacent to railway line. Historic pruning wounds present on the west side with regrowth. Minor canopy deadwood | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|--------------------------------|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| | | | | | | | | | | | | present with some decay Noted. | | | |
| T715 | Aspen (Populus tremula) | 11.0 | 395 | Av. 5.0 | # | # | # | 2.0 (NW) | 2.0 (NE) | Poor to Fair / Good | SM | Located in area of soft landscape adjacent to fence. Canopy deadwood present throughout. In mutual competition with adjacent trees. | Monitor overall health via resurvey in 18 months. | 20+ | C1 |
| T716 | Aspen (Populus tremula) | 10.0 | 370 | Av. 4.5 | # | # | # | 3.0 (N) | 1.7 (NE) | Fair | SM | Located in area of soft landscape adjacent to fence. Canopy deadwood present. In mutual competition with adjacent trees. | None. | 20+ | C1 |
| T717 | Aspen (Populus tremula) | 11.0 | 390 | 4.5 | 4.3 | 6.7 | 4.9 | 2.5 | 2.0 (NE) | Poor | SM | Located in area of soft landscape adjacent to fence. Large amount of canopy deadwood present throughout with decay Noted. 2No. burrs present on northern aspect of trunk. | Consider removal to facilitate the development of adjacent trees of higher quality. | 20+ | C1 |
| T718 | English Oak (Quercus robur) | 14.0 | 470 | 4.2 | 5.7 | 4.9 | 6.5 | 2.5 (NE) | 2.0 | Fair | EM | Located on railway bank adjacent to railway line. Historic pruning | None. | 40+ | B1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|---------------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| | | | | | | | | | | | | wounds present adjacent to railway line. Minor canopy deadwood with decay present. | | | |
| T719 | English Oak (Quercus robur) | 13.0 | 660 | 6.7 | 5.1 | 8.7 | 6.6 | 2.5 (NW) | 1.5 (W) | Fair | М | Located on railway bank adjacent to railway line. Canopy deadwood present including a torn out limb resting at the base of the tree. Evidence of removal of epicormic growth and canopy reduction on the rail side to facilitate operation. | None. | 40+ | B1 |
| T729 | White Willow (Salix alba) | 13.0 | 950 | Av. 7.0 | # | # | # | 1.7 (S) | 1.8 (SW) | Fair | М | Located within mown grass. Several leaders present. | None. | 40+ | B1 |
| T730 | White Willow (<i>Salix alba</i>) | 12.0 | M/S x 2, 410, 540 | Av. 5.5 | # | # | # | Forks at 0.3 | 2.0 (N) | Fair | EM | Located within mown grass. Canopy comprises low branching form. | None. | 40+ | B1 |
| T731 | English Oak (Quercus robur) | 9.0 | 370 | Av. 4.0 | # | # | # | Forks at 1.5 | 2.0 (N) | Fair | Y | Located within mown grass. Being overshadowed by adjacent trees. | Consider removal in the longer term due to supressed nature. | 20+ | C1 |



| Ref. No | Species | Estimated Height (m) | Stem Dia. (mm) | Canopy Spread (m) North | Canopy Spread (m) South | Canopy Spread (m) East | Canopy Spread (m) West | Direction of First Significant Branch (m) | Canopy Clearance (m) | Physiological Condition | Age | Observations and Conditions | Preliminary Management Recommendations | Estimated Remaining Contribution (years) | Cat. |
|------------|------------------------------|----------------------------|----------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---|----------------------------|----------------------------|-----|---|---|---|------|
| T732 | White Willow (Salix alba) | 16.0 | 900* | Av. 6.0 | # | # | # | Forks at 1.75 | 1.7 | Fair | М | Located within mown grass. A dead limb is present on the south side. Evidence of previous pollarding at approximately 8.0m Ht. Large would with decay present c.1.0m Ht. on NE side. Historic mower damage Noted to buttress and exposed shallow surface roots. | Monitor overall health via resurvey in 18 months. | 20+ | B1 |
| T896 | - | | | | | | | | | | | Dead tree located to the south of T583. | None. | | |

Notes

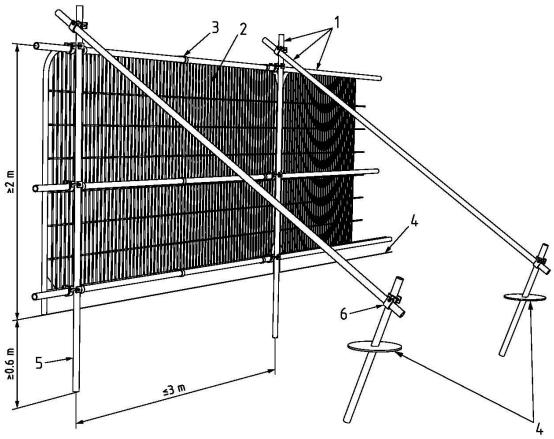
- Any management recommendations in this report subject to presence of nesting birds or protected species (e.g. Bats) checks.
- Any tree surgery recommendations contained within this report to be undertaken in accordance with BS3998(2010) 'Tree work Recommendations' (BS3998)
- Fieldwork survey information provided within this table is subject to seasonal/access constraints.
- N/A measurement not accessible/applicable.
- '*' estimated position of tree (not indicated on topographical survey);
- 'A' average value based upon average of remaining measurements or visual estimate.

Appendices



- Unless otherwise stated, all group dimensions are an estimated average.
- This schedule should be read in conjunction with Drawing 1.

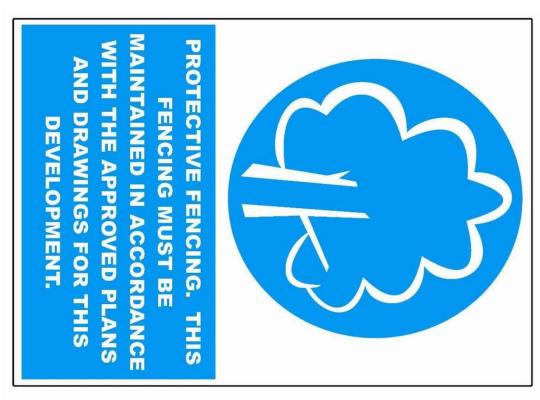
D. Example Specification for Tree Protection Barrier.



Key

- 1 Standard scaffold poles
- 2 Heavy gauge 2 m tall galvanized tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps

E. Tree Protection Signage (Example)



TREE PROTECTION AREA KEEP OUT: (TOWN & COUNTRY PLANNING ACT 1990) TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER. CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY

UK and Ireland Office Locations

