



## **Tree Hazard Assessment**

### **Prepared for:**

Wilshere-Dacre Junior Academy,  
Fishponds Road,  
Hitchin,  
Hertfordshire,  
SG5 1NS.

### **By:**

Arborcare  
Unit N  
Shangri-La  
Todds Green  
Stevenage  
Hertfordshire  
SG1 2JE



|                                                                                               |                                           |
|-----------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Wilshere-Dacre Junior Academy, Hitchin,<br/>Hertfordshire, SG5 1NS</b><br><b>Location:</b> | <b>Arborcare Ref: 9096</b>                |
| <b>Client: Wilshere-Dacre Junior Academy</b>                                                  | <b>Client Ref: N/A</b>                    |
| <b>Survey Inspector: Brian Cole</b>                                                           | <b>Date of Inspection:<br/>02/04/2024</b> |
| <b>Document Prepared by: Brian Cole</b>                                                       | <b>Date of Submission:<br/>03/04/2024</b> |

|                                                              |                                                                                                                                                   |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Local Authority: North Hertfordshire District Council</b> |                                                                                                                                                   |
| <b>Tree<br/>Protection<br/>Status:</b>                       | It is understood the site and its grounds are located within a Conservation Area. The trees are not protected by a Tree Preservation Order (TPO). |

|                                                                                      |
|--------------------------------------------------------------------------------------|
| <b>Instructions:</b> Issued by Michael Huntley on the 21 <sup>st</sup> of July 2023. |
| <b>Terms of Reference:</b> To survey trees on site as directed by Michael Huntley.   |



## **1.0 Introduction**

### **Land Owners**

The basic principle underlying both the law of negligence in common law and the Occupier Liability Acts is that the owner of the land and trees owes a duty to take reasonable care to protect those reasonably likely to be affected. Subsequently, the tree owner or those responsible for them, must take steps to ensure that they are aware whether a tree is likely to cause problems and, if it is, should take appropriate avoiding action as necessary to protect those who are reasonably likely to be adversely affected.

Guidance issued by the Government, the Forestry Commission and the Arboricultural Association advises that a tree survey is regularly undertaken by a professional tree surveyor. Failure to do so may leave those responsible liable to prosecution.

Brian Cole of Arborcare has the experience and qualifications in the field of Arboriculture to undertake such survey work.

### **Scope of the survey**

The survey has been undertaken to determine where and what tree species are growing on the school grounds. At the same time as plotting the trees, a visual inspection (see methodology) was also made to determine whether trees posed any foreseeable risk to persons working at or visiting the care home. Where risk has been identified it has been recorded and remedial works have been recommended with timescales for implementation.

The recommendations contained within this report are based on findings made at the time of inspection. Recommendations are made for the inspection frequency, however changes in site conditions or adverse weather such as Autumn / Winter storms may cause change and necessitate re-inspection of tree (s) affected sooner than the recommended frequency.

### **Limitations**

The health and condition of trees can change as a result of internal and external factors. The observations, conclusions and recommendations contained in this report are based on the tree at the time of inspection and are subject to the limitations of this form of visual tree survey. It should be noted that even completely sound, healthy



trees, can fail, given sufficiently severe weather conditions or unseen factors that are outside the scope of visual tree inspections.

Trees have been grouped within a polygon (where tight hedge row of trees are together) or listed individually.

The Wildlife and Countryside Act 1981 and the Countryside and Rights of Way act 2000, provide statutory protection to bats, birds and other species associated with trees. The legislation imposes restrictions and constraints upon the implementation of any works that may be necessary.

Whilst we have a working knowledge of these potential issues, they are outside our particular area of expertise. Where we have identified any trees within our survey that we believe may provide habitat for wildlife and possible bat roosts, we recommend further formal advice from a qualified ecologist to ascertain if any further restrictions apply prior to undertaking any tree works.

Prior to undertaking any tree work we recommend that North Hertfordshire District Council are contacted to check whether any statutory tree protection exists. If trees are the subject of a Tree Preservation Order (TPO) or situated within a Conservation Area, then the appropriate permissions are required by law prior to undertaking of any tree works.

## **2.0 Tree Inspection Methodology**

### **Visual Tree Assessment**

A visual inspection of each tree recorded within this report was carried out in accordance with the industry recognised approach known as Visual Tree Assessment (VTA), as developed by Mattheck & Breoler (The Body language of trees 1994) This includes the use of simple tools, such as a sounding mallet and metal probe, to detect areas of potential decay or dysfunctionality.



## Data collection

The survey was undertaken during March 2024, the weather conditions were in main overcast and sunny.

Plotting and data recording was undertaken using OTTIS asset management software. For each tree or group inspected, an identification number has been allocated, in cases where a tree or trees within a group required attention or was in some way noteworthy, it was recorded individually.

The following information was recorded for individuals. For groups the number of each species is frequently recorded and the data is provided as an average across the group:

- species
- height (m)
- target
- condition
- life stage
- risk
- remedial works
- tree identification photo

## Tree tags

Individual trees and tree groups all have a numbered tag attached by nail at 3 metres, trees that are not accessible to tag are marked 'not tagged'.

## Risk

Trees have been categorised according to their foreseeable risk, green, amber or red will be seen on the site map.

**Tree coloured green – No issues noted (at present)** - These trees are considered to be in good condition / acceptable location with no significant defects noted

**Tree coloured amber – Be aware** - These trees are either located in an unsustainable position (a large species of tree close to property for example) or defects have been noted that could lead to future problems. Recommendations may be made to remove



the tree or the defects or reduce the defects (usually by pruning) to an acceptable level

**Tree coloured red – Take action** - These trees are considered to be hazardous to life and property and cannot be made safe by remedial works alone. These trees will need to be removed.

### Tree Works Priority Guide

| Priority                                                                                                                                                                                                                                                                                                                                                                                                                          | Type of maintenance that normally fall into each priority band                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Priority 1 – Urgent public safety work</b><br><br>Following inspection the tree(s) require(s) urgent maintenance work to make its current condition acceptable.<br><br>Target completion – Work that should be completed as a matter of priority to minimise the risk of injury or property damage.                                                                                                                            | Dead, dying and diseased trees in high pedestrian and traffic flow areas<br>Trees that pose imminent danger to people or property<br>Deadwood in high usage areas                                               |
| <b>Priority 2 Non urgent, but essential safety work</b><br><br>Following inspection the tree(s) require(s) Non Urgent but essential maintenance work to resolve safety issues identified during inspection.<br><br>Target completion – Work of a moderate priority should be undertaken as a part of a programmed maintenance.                                                                                                    | Tree branches below 2.5mtrs over high pedestrian flow footpaths<br>Tree branches below 5.2mtrs over high traffic flow roads<br>Tree branches causing damage to property<br><br>Deadwood in moderate usage areas |
| <b>Priority 3 – Non essential, but desirable work</b><br><br>Following inspection the tree(s) is identified as requiring non-essential maintenance work. Due to the nature of the work identified it will only be completed as resources allow.<br>Target completion – Work of low priority usually recommended for aesthetics or good arboricultural practise, rather than risk management. To be undertaken if resources allow. | All other general tree maintenance work that is causing no risk of harm to people or property.                                                                                                                  |



## Survey Summary

|                 |                 |
|-----------------|-----------------|
| Tree Category:  | Number on Site: |
| Individual Tree | 27              |
| Group of Trees  | 3               |
| Woodland        | Nil             |

## Work Summary

|                                           |                     |
|-------------------------------------------|---------------------|
| <b>High Priority Work Within 3 Months</b> | <b>Tree Number:</b> |
| Requires felling                          | Nil                 |
| Requires remedial pruning                 | Nil                 |

|                                               |                                    |
|-----------------------------------------------|------------------------------------|
| <b>Moderate Priority Work Within 6 Months</b> | <b>Tree Number:</b>                |
| Requires felling                              | T164, T171, T185                   |
| Requires remedial pruning                     | T155, T156, T162, T163, T173, T185 |

|                                        |                                                      |
|----------------------------------------|------------------------------------------------------|
| <b>Low Priority Work Within 1 Year</b> | <b>Tree Number:</b>                                  |
| Requires felling                       | Nil                                                  |
| Requires remedial pruning              | T159, T160, T166, T170, T172, T174, T175, T176, T177 |



## Summary Graph

### Summary of trees

Site name: All Sites

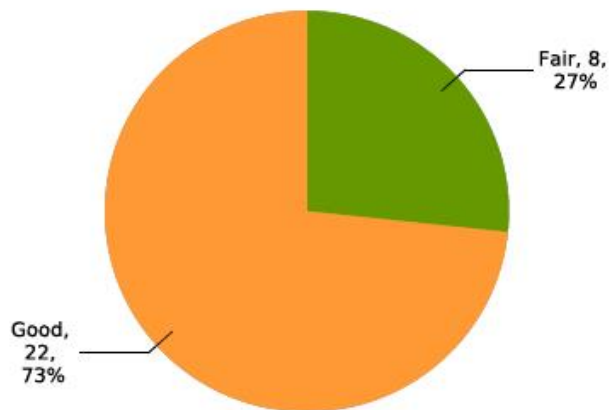
Risk zone: -

Contact: -

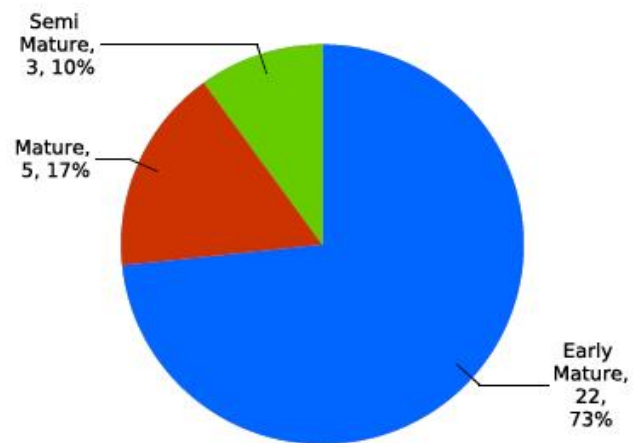
Trees: 30      Work items: 30



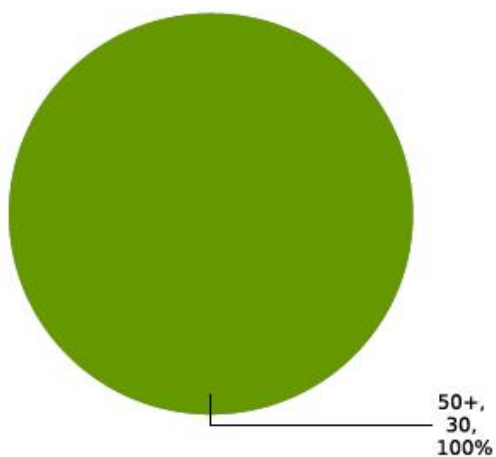
#### Condition



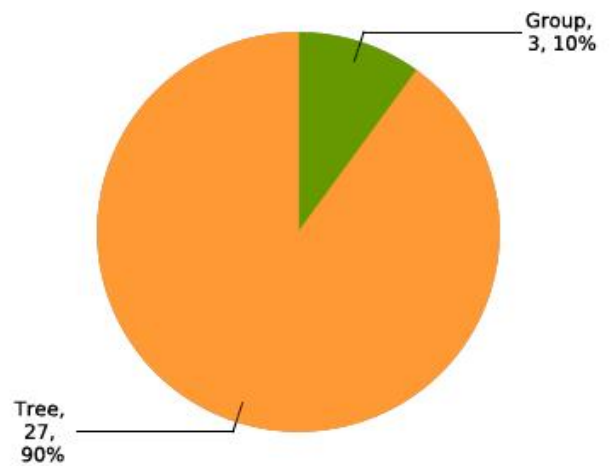
#### Age Class



#### Life Expectancy

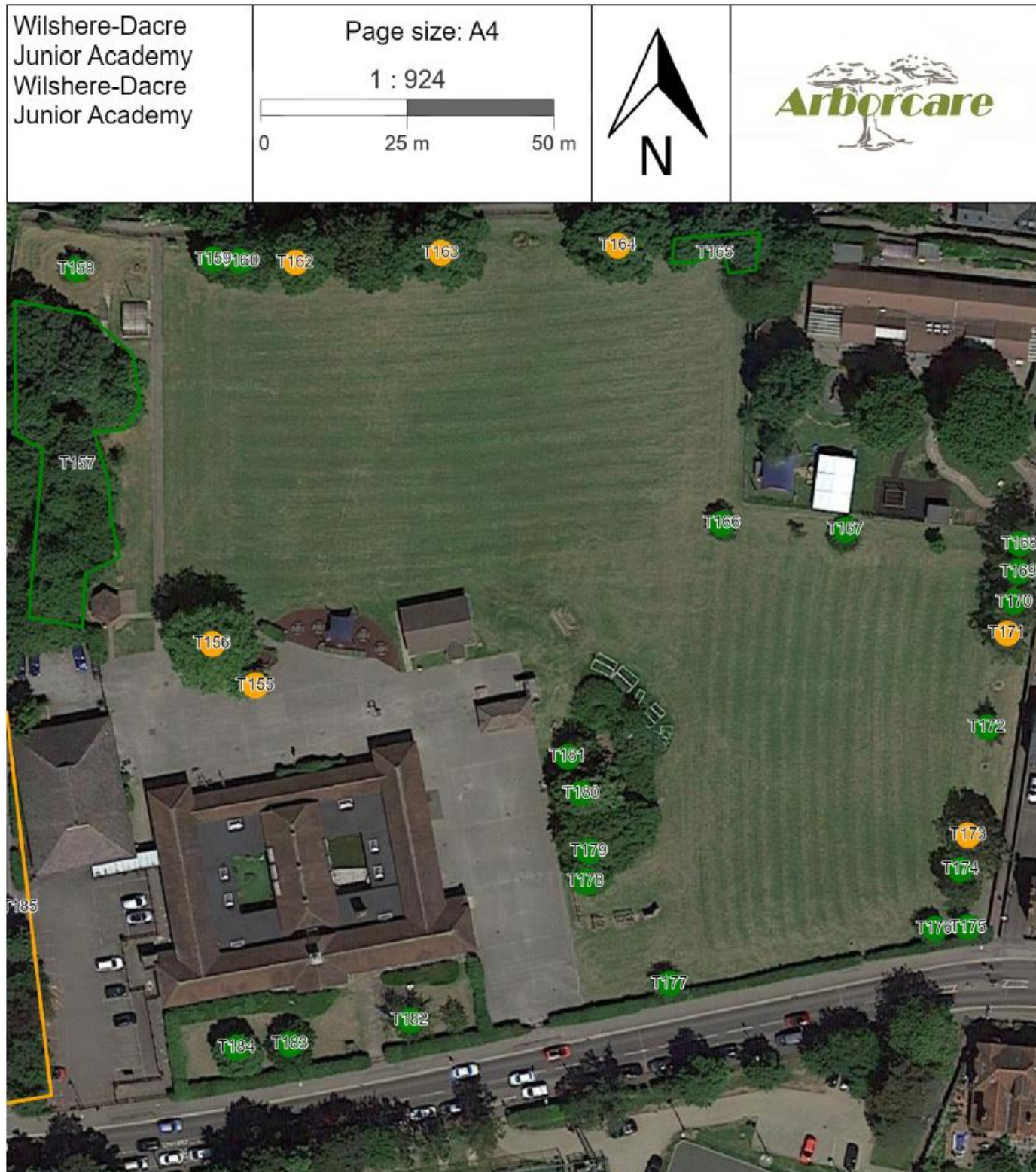


#### Structure





Site Plan – Site





| Ref. | Tag | Species                                                                                            | Variety    | Target                                            | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | SurveyNotes                                                                                                                                                                                                                                                                                                                                                                                                                         | Recommendations                       | Priority | Photo                                                                                 |
|------|-----|----------------------------------------------------------------------------------------------------|------------|---------------------------------------------------|--------------|------------|----------------------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------|---------------------------------------------------------------------------------------|
| T155 | 155 | Norway maple<br>( <i>Acer platanoides</i> )                                                        |            | Playground<br>Seating Area                        | Early Mature | 5 to 10    | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Pruning history - Raised.</li> <li>Deadwood within crown.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                             | Remove deadwood - greater than 25 mm. | 2        |    |
| T156 | 156 | Silver maple<br>( <i>Acer saccharinum</i> )                                                        |            | Playground<br>Seating Area                        | Mature       | 15 to 20   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Full.</li> <li>Crown Size: Large.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Pruning history - Raised.</li> <li>Deadwood within crown.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark</li> <li>* Roots and Root Collar</li> <li>Exposed root plate.</li> </ul>    | Remove deadwood - greater than 25 mm. | 2        |    |
| T157 | 157 | Mixed species<br>'Hawthorn, Cherry,<br>Willow, Plum,<br>Maple and Ash'<br>( <i>Mixed species</i> ) |            | Building<br>Fence<br>Playground<br>Overhead wires | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>Woodland area comprising of self set trees.</li> <li>Wind Exposure: Protected.</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Minor deadwood within crowns, not over a target area.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul> | None at present.                      | N/A      |   |
| T158 | 158 | Black poplar<br>'Group of 2'<br>( <i>Populus nigra</i> )                                           | Group of 2 | Fence<br>Footpath<br>Playground                   | Semi Mature  | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                                                                                              | None at present.                      | N/A      |  |



| Ref. | Tag | Species                                     | Variety | Target                                            | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | SurveyNotes                                                                                                                                                                                                                                                                                                                                                                                                                                           | Recommendations                                                                                                                                          | Priority | Photo                                                                                 |
|------|-----|---------------------------------------------|---------|---------------------------------------------------|--------------|------------|----------------------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| T159 | 159 | Common lime<br>( <i>Tilia x vulgaris</i> )  |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>Branches touching overhead wires.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark</li> </ul>                                                                     | Crown lift to 3 m for pedestrian clearance.<br>Clear around overhead wires.                                                                              | 3        |    |
| T160 | 160 | Common ash<br>( <i>Fraxinus excelsior</i> ) |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark</li> </ul>                                                                                                                | Crown lift to 3 m for pedestrian clearance.                                                                                                              | 3        |    |
| T162 | 162 | Common lime<br>( <i>Tilia x vulgaris</i> )  |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Mature       | 15 to 20   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>Branches touching overhead wires.</li> <li>Deadwood within crown.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> <li>Epicormic growth at base.</li> </ul> | Crown lift to 3 m for pedestrian clearance.<br>Clear around overhead wires.<br>Remove deadwood - greater than 25 mm.<br>Remove epicormic growth at base. | 2        |   |
| T163 | 163 | Common lime<br>( <i>Tilia x vulgaris</i> )  |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Mature       | 15 to 20   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Full.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Deadwood within crown .</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                                                    | Remove deadwood - greater than 25 mm.                                                                                                                    | 2        |  |



| Ref. | Tag | Species                                     | Variety | Target                                            | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | SurveyNotes                                                                                                                                                                                                                                                                                                                                                                                                                                           | Recommendations                                                                                                                                          | Priority | Photo                                                                                 |
|------|-----|---------------------------------------------|---------|---------------------------------------------------|--------------|------------|----------------------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| T159 | 159 | Common lime<br>( <i>Tilia x vulgaris</i> )  |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>Branches touching overhead wires.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark</li> </ul>                                                                     | Crown lift to 3 m for pedestrian clearance.<br>Clear around overhead wires.                                                                              | 3        |    |
| T160 | 160 | Common ash<br>( <i>Fraxinus excelsior</i> ) |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark</li> </ul>                                                                                                                | Crown lift to 3 m for pedestrian clearance.                                                                                                              | 3        |    |
| T162 | 162 | Common lime<br>( <i>Tilia x vulgaris</i> )  |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Mature       | 15 to 20   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>Branches touching overhead wires.</li> <li>Deadwood within crown.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> <li>Epicormic growth at base.</li> </ul> | Crown lift to 3 m for pedestrian clearance.<br>Clear around overhead wires.<br>Remove deadwood - greater than 25 mm.<br>Remove epicormic growth at base. | 2        |   |
| T163 | 163 | Common lime<br>( <i>Tilia x vulgaris</i> )  |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Mature       | 15 to 20   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Full.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Deadwood within crown .</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                                                    | Remove deadwood - greater than 25 mm.                                                                                                                    | 2        |  |



| Ref. | Tag | Species                                                                      | Variety | Target                                            | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | SurveyNotes                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Recommendations                            | Priority | Photo                                                                                 |
|------|-----|------------------------------------------------------------------------------|---------|---------------------------------------------------|--------------|------------|----------------------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------|---------------------------------------------------------------------------------------|
| T164 | 164 | Common lime<br>( <i>Tilia x vulgaris</i> )                                   |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Mature       | 15 to 20   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Full.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Deadwood within crown .</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> <li>Ganoderma Australe located on East sidecat 30cm. Attributed to a selective white rot, can cause structural failure via windthrow.</li> </ul> | Fell tree.                                 | 2        |    |
| T165 | 165 | Mixed species<br>'Group of Ash, Lime and Leyland Cypress'<br>(Mixed species) |         | Fence<br>Footpath<br>Overhead wires<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                                                                                                                                        | None at present.                           | N/A      |    |
| T166 | 166 | Sweet chestnut<br>( <i>Castanea sativa</i> )                                 |         | Playground                                        | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Full.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                                                                          | Crown lift to 2m for pedestrian clearance. | 3        |   |
| T167 | 167 | Oak<br>( <i>Quercus sp.</i> )                                                |         | Fence<br>Playground                               | Semi Mature  | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Full.</li> <li>Crown Size: Small.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Dense.</li> <li>Interior Branches: Dense.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                                                                                                                 | None at present.                           | N/A      |  |



| Ref. | Tag | Species                                   | Variety | Target                          | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | Survey Notes                                                                                                                                                                                                                                                                                                                                                                                                               | Recommendations                             | Priority | Photo                                                                                 |
|------|-----|-------------------------------------------|---------|---------------------------------|--------------|------------|----------------------|----------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------|---------------------------------------------------------------------------------------|
| T168 | 168 | Silver birch<br>( <i>Betula pendula</i> ) |         | Building<br>Fence<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                    | Crown lift to 3 m for pedestrian clearance. | 3        |    |
| T169 | 169 | Silver birch<br>( <i>Betula pendula</i> ) |         | Building<br>Fence<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                    | Crown lift to 3 m for pedestrian clearance. | 3        |    |
| T170 | 170 | Silver birch<br>( <i>Betula pendula</i> ) |         | Building<br>Fence<br>Playground | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                                                                    | Crown lift to 3 m for pedestrian clearance. | 3        |   |
| T171 | 171 | Silver birch<br>( <i>Betula pendula</i> ) |         | Building<br>Fence<br>Playground | Early Mature | 10 to 15   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Die back within the crown.</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> <li>Phytophthora located throughout stem.</li> </ul> | Fell tree.                                  | 2        |  |



| Ref. | Tag | Species                                   | Variety | Target                          | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | Survey Notes                                                                                                                                                                                                                                                                                                                                                            | Recommendations                                                                     | Priority | Photo                                                                                 |
|------|-----|-------------------------------------------|---------|---------------------------------|--------------|------------|----------------------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| T172 | 172 | Silver birch<br>( <i>Betula pendula</i> ) |         | Building<br>Fence<br>Playground | Semi Mature  | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                 | Crown lift to 3 m for pedestrian clearance.                                         | 3        |    |
| T173 | 173 | Silver birch<br>( <i>Betula pendula</i> ) |         | Building<br>Fence<br>Playground | Mature       | 10 to 15   | Fair                 | Moderate | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>Deadwood within crown.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul> | Crown lift to 3 m for pedestrian clearance.<br>Remove deadwood - greater than 25 mm | 2        |    |
| T174 | 174 | Silver birch<br>( <i>Betula pendula</i> ) |         | Fence<br>Playground             | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                 | Crown lift to 3 m for pedestrian clearance.                                         | 3        |   |
| T175 | 175 | Rowan<br>( <i>Sorbus aucuparia</i> )      |         | Fence<br>Playground<br>Footpath | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul>                                 | Crown lift to 2m for pedestrian clearance.                                          | 3        |  |



| Ref. | Tag | Species                                    | Variety | Target                          | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | Survey Notes                                                                                                                                                                                                                                                                                                                            | Recommendations                            | Priority | Photo                                                                                 |
|------|-----|--------------------------------------------|---------|---------------------------------|--------------|------------|----------------------|----------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------|---------------------------------------------------------------------------------------|
| T176 | 176 | Rowan<br>( <i>Sorbus aucuparia</i> )       |         | Fence<br>Playground<br>Footpath | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul> | Crown lift to 2m for pedestrian clearance. | 3        |    |
| T177 | 177 | Bird cherry<br>( <i>Prunus padus</i> )     |         | Fence<br>Playground<br>Footpath | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Low overhanging branches.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul> | Crown lift to 2m for pedestrian clearance. | 3        |    |
| T178 | 178 | Common lime<br>( <i>Tilia x vulgaris</i> ) |         | Playground                      | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Pruning history - Raised.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul> | None at present.                           | N/A      |   |
| T179 | 179 | Common lime<br>( <i>Tilia x vulgaris</i> ) |         | Playground                      | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | <ul style="list-style-type: none"> <li>* Load Factors</li> <li>Wind Exposure: Partial.</li> <li>Crown Size: Medium.</li> <li>Crown Density: Normal.</li> <li>Interior Branches: Normal.</li> <li>* Crown and Branches</li> <li>Pruning history - Raised.</li> <li>* Trunk</li> <li>Codominant stems.</li> <li>Included bark.</li> </ul> | None at present.                           | N/A      |  |



| Ref. | Tag | Species                                        | Variety | Target         | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | SurveyNotes                                                                                                                                                                                                                     | Recommendations  | Priority | Photo                                                                                 |
|------|-----|------------------------------------------------|---------|----------------|--------------|------------|----------------------|----------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------|---------------------------------------------------------------------------------------|
| T180 | 180 | Common lime<br>( <i>Tilia x vulgaris</i> )     |         | Playground     | Early Mature | 10 to 15   | Good                 | Normal   | 50+             | * Load Factors<br>Wind Exposure: Partial.<br>Crown Size: Medium.<br>Crown Density: Normal.<br>Interior Branches: Normal.<br>* Crown and Branches<br>Pruning history - Raised.<br>* Trunk<br>Codominant stems.<br>Included bark. | None at present. | N/A      |    |
| T181 | 181 | Common lime<br>( <i>Tilia x vulgaris</i> )     |         | Playground     | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | * Load Factors<br>Wind Exposure: Partial.<br>Crown Size: Medium.<br>Crown Density: Normal.<br>Interior Branches: Normal.<br>* Crown and Branches<br>Pruning history - Raised.<br>* Trunk<br>Codominant stems.<br>Included bark. | None at present. | N/A      |    |
| T182 | 182 | Japanese cherry<br>( <i>Prunus sargentii</i> ) |         | Fence Footpath | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | * Load Factors<br>Wind Exposure: Partial.<br>Crown Size: Medium.<br>Crown Density: Normal.<br>Interior Branches: Normal.<br>* Trunk<br>Codominant stems.<br>Included bark.                                                      | None at present. | N/A      |   |
| T183 | 183 | Oak<br>( <i>Quercus sp.</i> )                  |         | Fence Footpath | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | * Load Factors<br>Wind Exposure: Partial.<br>Crown Size: Medium.<br>Crown Density: Normal.<br>Interior Branches: Normal.<br>* Trunk<br>Codominant stems.<br>Included bark.                                                      | None at present. | N/A      |  |



| Ref. | Tag | Species                                                                        | Variety | Target                                   | Age          | Height (m) | Structural Condition | Vitality | Life Expectancy | SurveyNotes                                                                                                                                                                                                                                                                   | Recommendations                                               | Priority | Photo                                                                               |
|------|-----|--------------------------------------------------------------------------------|---------|------------------------------------------|--------------|------------|----------------------|----------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| T184 | 184 | Hazel<br>( <i>Corylus avellana</i> )                                           |         | Fence<br>Footpath                        | Early Mature | 5 to 10    | Good                 | Normal   | 50+             | * Load Factors<br>Wind Exposure: Partial.<br>Crown Size: Medium.<br>Crown Density: Normal.<br>Interior Branches: Normal.<br>* Trunk<br>Codominant stems.<br>Included bark.                                                                                                    | None at present.                                              | N/A      |  |
| T185 | 185 | Mixed species<br>'Group of Plum,<br>Spruce, Elm,<br>Willow'<br>(Mixed species) |         | Car Park<br>Fence<br>Footpath<br>Highway | Early Mature | 5 to 10    | Fair                 | Moderate | 50+             | Dead tree within group.<br>* Load Factors<br>Wind Exposure: Partial.<br>Crown Size: Medium.<br>Crown Density: Normal.<br>Interior Branches: Normal.<br>* Crown and Branches<br>Low overhanging branches over entrance road.<br>* Trunk<br>Codominant stems.<br>Included bark. | Crown lift to 5.2 m for highway clearance.<br>Fell dead tree. | 2        |  |



## **Keys**

**Est** – Estimated.

**Hazard** – Something with the potential to cause harm.

**Risk** – The probability that harm will actually be caused to persons or property by the tree with a defect.

**Target** – In order for there to be a risk there has to be a target; people and property constitute a target.

**Deadwood** – any deadwood greater than 1 metre and 50mm diameter.

**Hazard Beam** – A curved woody stem, whose loading tends to bend it against the direction of curvature, has a tendency to split through the centre, having the effect of straightening the part.

**Compression Fork** – A kind of narrow fork with included bark in which continued radial growth results in pressure which tends to push the limbs of the fork apart.

**Age Class** – Y Young, SM Semi Mature, MA Middle Aged, M Mature and OM Over Mature. All age classes are related to the age for species.

**Crown Reduction** – A form of pruning in which the extent of the crown is decreased without (primarily) decreasing its density, to reduce loading, balance the crown, mitigate a nuisance, etc.

**Crown Thinning** – A form of pruning in which individual branches are removed from the crown to reduce its density without (primarily) reducing its extent. Alternatively, in forestry, crown thinning is a thinning type.

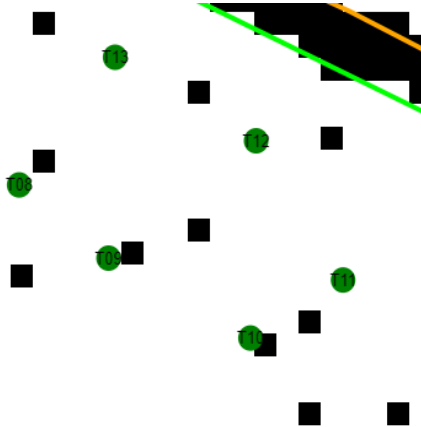
**Crown Lifting** – The removal of lower branches of a tree, whether complete branches or those arising from the lower limbs, to increase the headroom to the base of the crown.

**Fell** – The cutting down of a tree, generally close to ground level, to leave a low stump.

**Stump Grinding** – To grind stump 300mm below ground level.



Trees on OS Maps – A coloured circle with a number represents a single tree, tree marked in black is classed as a dead tree.



Trees on OS Maps – A coloured octagon (or shape with many angles) with a number represents a group of trees with crown touching.

