



## **Tree Survey**

**At**

**Heol Crwys,  
Cwmavon,  
Port Talbot**

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## **Brief**

I have been instructed by Mr Lloyd Roberts of Tai Tarian to carry out a survey on trees at Heol Crwys, Cwmavon, Port Talbot.

## **Scope of Report**

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current good arboricultural practice.

The survey entailed a visual inspection from ground level of all trees.

Each tree has been numbered and, where instructed, have been tagged using small durable metal or plastic tags.

Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres.

Trunk/stem diameters are measured at 1.5 metres above ground level, or immediately above the root flare for multi-stemmed trees.

Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of crown shape.

An assessment of a tree's age classification is made in terms of its maturity within the site's landscape.

An assessment of a tree's physiological condition is made as good, fair, poor, dead.

Data on the structural condition of the tree has been entered, e.g., collapsing, leaning and the presence of any decay or physical defect has been noted.

Preliminary management recommendations include further investigation of suspected defects that require more detailed assessment or potential for wildlife habitat.

An assessment of a tree's future life expectancy is made as <10, 10-20, 20-40 or >40 etc.

Table 1 – Cascade chart for tree quality assessment

| Category and definition                                                                                                                                                   | Criteria (including subcategories where appropriate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                   |                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <u>Category U</u><br>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 | <ul style="list-style-type: none"><li>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 U category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)</li><li>Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li><li>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</li></ul> <p>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7</p> |                                                                                                                                                                                                                                                                   |                                                                                                                                       |
|                                                                                                                                                                           | 1 Mainly Arboricultural values                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 Mainly landscape values                                                                                                                                                                                                                                         | 3 Mainly cultural values, including conservation                                                                                      |
| <u>Category A</u><br>Those of high quality with an estimated remaining life expectancy 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) |
| <u>Category B</u><br>Those 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 growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality | Trees with material conservation or other cultural benefits                                                                           |
| <u>Category C</u><br>Those 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                                                                           |

BRITISH STANDARD BS 5837:2012

| Tree No. | Species                                           | Height(m) | Single/Multi Stemmed | Stem Diameter(m) | Branch Spread(m) |   |   |   | Height of Crown(m) | Age         | Physiological Condition | Structural Condition                                                                                                                                          | Prel. Man. Recommendations       | Est. Remaining Contribution | Category |
|----------|---------------------------------------------------|-----------|----------------------|------------------|------------------|---|---|---|--------------------|-------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|----------|
|          |                                                   |           |                      |                  | N                | E | S | W |                    |             |                         |                                                                                                                                                               |                                  |                             |          |
| T1       | Goat Willow<br>( <i>Salix caprea</i> )            | 3         | Multi                | 0.25             | 1                | 2 | 3 | 2 | 0                  | Middle aged | Poor                    | This specimen is partially collapsed.                                                                                                                         | Remove.                          | <10                         | U        |
| T2       | Sycamore<br>( <i>Acer pseudoplatanus</i> )        | 9         | Multi                | 0.3              | 3                | 3 | 3 | 3 | 1                  | Young       | Fair                    | Multi-stemmed specimen of variable form with potentially weak basal forks.                                                                                    | Monitor for stability.           | 10-20                       | C        |
| T3       | Cherry<br>( <i>Prunus</i> spp.)                   | 4         | Single               | 0.13             | 2                | 2 | 2 | 2 | 2                  | Young       | Fair                    | Self-sown specimen of reasonable form and vigour.                                                                                                             | No action required at this time. | >40                         | C        |
| T4       | Cherry<br>( <i>Prunus</i> spp.)                   | 9         | Single               | 0.21             | 3                | 2 | 2 | 3 | 2                  | Middle aged | Fair                    | Self-sown specimen of reasonable form and vigour.                                                                                                             | No action required at this time. | 20-40                       | B        |
| T5       | Crab Apple<br>( <i>Malus sylvestris</i> )         | 4         | Multi                | 0.25             | 3                | 2 | 3 | 3 | 1                  | Middle aged | Fair                    | Ornamental specimen of variable form.                                                                                                                         | Monitor for stability.           | 10-20                       | C        |
| T6       | Swedish Whitebeam<br>( <i>Sorbus intermedia</i> ) | 4         | Multi                | 0.2              | 2                | 1 | 2 | 2 | 1                  | Young       | Fair to poor            | Tree of variable form exhibiting some thinning of foliage within crown.                                                                                       | Monitor for health.              | 10-20                       | C        |
| T7       | Goat Willow<br>( <i>Salix caprea</i> )            | 3         | Multi                | 0.1              | 1                | 1 | 1 | 1 | 0                  | Young       | Poor                    | Self-sown multi-stemmed specimen with weak basal forks.                                                                                                       | Remove.                          | <10                         | U        |
| T8       | Cherry<br>( <i>Prunus</i> spp.)                   | 4         | Single               | 0.33             | 3                | 3 | 3 | 3 | 2                  | Mature      | Fair to poor            | Ornamental specimen of variable form and average vigour. Some evidence of minor internal decay within lower crown associated with old pruning wounds.         | Monitor for safety.              | 10-20                       | C        |
| T9       | Pittosporum<br>( <i>Pittosporum</i> spp.)         | 4         | Multi                | 0.15             | 1                | 1 | 1 | 1 | 0                  | Mature      | Fair                    | Ornamental shrub of variable form.                                                                                                                            | No action required at this time. | 10-20                       | C        |
| T10      | Cherry<br>( <i>Prunus</i> spp.)                   | 3         | Single               | 0.14             | 1                | 1 | 1 | 1 | 0                  | Mature      | Poor                    | Ornamental specimen of variable form and declining vigour with extensive dieback throughout upper crown. This specimen is unsuitable for long-term retention. | Remove.                          | <10                         | U        |

| Tree No. | Species                                           | Height(m) | Single/Multi Stemmed | Stem Diameter(m) | Branch Spread(m) |   |   |   | Height of Crown(m) | Age         | Physiological Condition | Structural Condition                                                                                                                                      | Prel. Man. Recommendations       | Est. Remaining Contribution | Category |
|----------|---------------------------------------------------|-----------|----------------------|------------------|------------------|---|---|---|--------------------|-------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|----------|
|          |                                                   |           |                      |                  | N                | E | S | W |                    |             |                         |                                                                                                                                                           |                                  |                             |          |
| T11      | Cherry<br>( <i>Prunus</i> spp.)                   | 8         | Single               | 0.39             | 4                | 4 | 4 | 3 | 0                  | Mature      | Poor                    | Ornamental specimen severely infected with decay fungus ( <i>Ganoderma</i> ). This specimen is unsafe for retention.                                      | Remove.                          | <10                         | U        |
| T12      | Sycamore<br>( <i>Acer pseudoplatanus</i> )        | 10        | Multi                | 0.4              | 4                | 3 | 3 | 4 | 0                  | Middle aged | Fair                    | Self-sown multi-stemmed specimen of variable form.                                                                                                        | Monitor for stability.           | 10-20                       | C        |
| T13      | Dead                                              |           |                      |                  |                  |   |   |   |                    |             |                         |                                                                                                                                                           |                                  |                             |          |
| T14      | Swedish Whitebeam<br>( <i>Sorbus intermedia</i> ) | 3         | Multi                | 0.1              | 0                | 0 | 0 | 2 | 2                  | Young       | Poor                    | Twin-stemmed specimen of poor form leaning to the west.                                                                                                   | Remove.                          | <10                         | U        |
| T15      | Goat Willow<br>( <i>Salix caprea</i> )            | 7         | Multi                | 0.2              | 1                | 3 | 1 | 3 | 0                  | Middle aged | Poor                    | Tree of poor form exhibiting significant dieback throughout crown. This specimen is in a moribund condition.                                              | Remove.                          | <10                         | U        |
| T16      | Goat Willow<br>( <i>Salix caprea</i> )            | 4         | Multi                | 0.2              | 2                | 3 | 1 | 0 | 1                  | Middle aged | Poor                    | Roadside tree exhibiting significant stem decay. This specimen is in a hazardous condition in relation to adjacent highway.                               | Remove.                          | <10                         | U        |
| T17      | Hawthorn<br>( <i>Crataegus monogyna</i> )         | 4         | Single               | 0.1              | 1                | 1 | 1 | 1 | 0                  | Young       | Fair                    | Scrubby specimen of variable form.                                                                                                                        | No action required at this time. | 10-20                       | C        |
| T18      | Goat Willow<br>( <i>Salix caprea</i> )            | 6         | Multi                | 0.25             | 3                | 3 | 2 | 3 | 0                  | Middle aged | Poor                    | Multi-stemmed roadside tree exhibiting evidence of basal decay which is likely to lead to stem failure in the future.                                     | Remove.                          | <10                         | U        |
| T19      | Birch<br>( <i>Betula pendula</i> )                | 5         | Single               | 0.1              | 0                | 3 | 2 | 0 | 1                  | Young       | Poor                    | Self-sown specimen of poor form leaning to the southeast due to suppression by adjacent Goat Willow. This specimen is unsuitable for long-term retention. | Remove.                          | <10                         | U        |

| Tree No. | Species                                                                                                 | Height(m) | Single/Multi Stemmed | Stem Diameter(m) | Branch Spread(m) |   |    |    | Height of Crown(m) | Age         | Physiological Condition | Structural Condition                                                                                                                                                                                                                          | Prel. Man. Recommendations                                  | Est. Remaining Contribution | Category |
|----------|---------------------------------------------------------------------------------------------------------|-----------|----------------------|------------------|------------------|---|----|----|--------------------|-------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------|----------|
|          |                                                                                                         |           |                      |                  | N                | E | S  | W  |                    |             |                         |                                                                                                                                                                                                                                               |                                                             |                             |          |
| T20      | Ash<br>( <i>Fraxinus excelsior</i> )                                                                    | 5         | Multi                | 0.15             | 2                | 2 | 1  | 2  | 1                  | Young       | Poor                    | Self-sown multi-stemmed specimen exhibiting early stage symptoms of Ash Dieback Disease.                                                                                                                                                      | Remove.                                                     | <10                         | U        |
| T21      | Sycamore<br>( <i>Acer pseudoplatanus</i> )                                                              | 11        | Multi                | 0.18             | 3                | 3 | 3  | 3  | 1                  | Young       | Fair                    | Self-sown multi-stemmed specimen of reasonable form.                                                                                                                                                                                          | No action required at this time.                            | 10-20                       | C        |
| T22      | Sycamore<br>( <i>Acer pseudoplatanus</i> )                                                              | 8         | Multi                | 0.2              | 2                | 2 | 2  | 2  | 1                  | Young       | Fair                    | Self-sown multi-stemmed specimen of reasonable form.                                                                                                                                                                                          | No action required at this time.                            | 10-20                       | C        |
| T23      | Goat Willow<br>( <i>Salix caprea</i> )                                                                  | 4         | Multi                | 0.2              | 3                | 3 | 0  | 2  | 0                  | Middle aged | Poor                    | Roadside tree that is partially collapsed. Remaining stems are at risk of failure due to basal decay.                                                                                                                                         | Remove.                                                     | <10                         | U        |
| T24      | Sycamore<br>( <i>Acer pseudoplatanus</i> )                                                              | 16        | Multi                | 0.55             | 5                | 5 | 6  | 6  | 3                  | Middle aged | Fair                    | Prominent roadside tree of reasonable upright habit. Lower forks exhibit mild inclusions which may become a point of weakness as this specimen matures.                                                                                       | Monitor strength of lower forks.                            | 20-40                       | B        |
| G25      | Group of:<br>Sycamore<br>( <i>Acer pseudoplatanus</i> ),<br>Norway Maple<br>( <i>Acer platanoides</i> ) | 15        | Single and Multi     | 0.3 (avg.)       | 5                | 5 | 6  | 5  | 2                  | Middle aged | Fair                    | Self-sown specimens of generally variable form. Multi-stemmed specimens exhibit mild inclusions within lower forks which may become a point of failure as these specimens mature.                                                             | Monitor strength of basal forks.                            | 10-20                       | C        |
| T26      | Sycamore<br>( <i>Acer pseudoplatanus</i> )                                                              | 19        | Multi                | 0.85             | 9                | 9 | 10 | 10 | 1                  | Mature      | Fair                    | Notable twin-stemmed specimen of reasonable form. Evidence of significant basal inclusion as well as mild basal decay associated with historic stem failure. This specimen is vulnerable to structural failure without remedial intervention. | Undertake 4-5m overall crown reduction. Monitor for safety. | 10-20                       | C        |

| Tree No. | Species                                                 | Height(m) | Single/Multi Stemmed | Stem Diameter(m)   | Branch Spread(m) |   |   |   | Height of Crown(m) | Age         | Physiological Condition | Structural Condition                                                                                                                        | Prel. Man. Recommendations                                    | Est. Remaining Contribution | Category |
|----------|---------------------------------------------------------|-----------|----------------------|--------------------|------------------|---|---|---|--------------------|-------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------|----------|
|          |                                                         |           |                      |                    | N                | E | S | W |                    |             |                         |                                                                                                                                             |                                                               |                             |          |
| G27      | Group of:<br>Sycamore<br>( <i>Acer pseudoplatanus</i> ) | 18        | Multi                | 0.45               | 8                | 7 | 8 | 8 | 2                  | Middle aged | Fair                    | Self-sown specimens closely spaced forming a single unified crown.                                                                          | No action required at this time.                              | 20-40                       | B        |
| G28      | Group of:<br>Sycamore<br>( <i>Acer pseudoplatanus</i> ) | 18        | Multi                | 0.55               | 8                | 8 | 8 | 8 | 2                  | Middle aged | Fair                    | Closely spaced self-sown multi-stemmed specimens forming a unified crown. Trees of generally reasonable form.                               | No action required at this time.                              | 20-40                       | B        |
| T29      | Hawthorn<br>( <i>Crataegus monogyna</i> )               | 10        | Single               | 0.36               | 4                | 4 | 4 | 4 | 1                  | Middle aged | Fair                    | Prominent specimen of good form and well-balanced crown.                                                                                    | No action required at this time.                              | >40                         | B        |
| T30      | Goat Willow<br>( <i>Salix caprea</i> )                  | 4         | Multi                | 0.2                | 2                | 3 | 3 | 3 | 0                  | Middle aged | Poor                    | Self-sown multi-stemmed specimen with weak basal forks.                                                                                     | Remove.                                                       | <10                         | U        |
| T31      | Rowan<br>( <i>Sorbus aucuparia</i> )                    | 10        | Single               | 0.32               | 2                | 2 | 2 | 2 | 2                  | Middle aged | Fair                    | Isolated and prominent specimen of good upright habit.                                                                                      | No action required at this time.                              | 20-40                       | B        |
| T32      | Apple<br>( <i>Malus</i> spp.)                           | 3         | Multi                | 0.1                | 1                | 1 | 1 | 1 | 1                  | Young       | Fair to poor            | Self-sown fruit tree of variable form.                                                                                                      | Monitor for safety.                                           | 10-20                       | C        |
| T33      | Scots Pine<br>( <i>Pinus sylvestris</i> )               | 15        | Single               | 0.55<br>(estimate) | 8                | 6 | 5 | 5 | 2                  | Mature      | Good                    | Prominent specimen of reasonable form. Foliage appears healthy. Dense vegetation at base prevents full inspection and accurate measurement. | No action required at this time.                              | >40                         | B        |
| T34      | Sycamore<br>( <i>Acer pseudoplatanus</i> )              | 8         | Multi                | 0.15               | 1                | 2 | 1 | 2 | 0                  | Young       | Fair                    | Self-sown specimen established adjacent to footpath. Some lower branches potentially obstructing pedestrian movement.                       | Crown raise to 3m over adjacent footpath. Monitor for safety. | 10-20                       | C        |
| T35      | Crab Apple<br>( <i>Malus sylvestris</i> )               | 7         | Multi                | 0.3                | 3                | 3 | 3 | 3 | 0                  | Mature      | Fair                    | Multi-stemmed ornamental specimen of variable form.                                                                                         | No action required at this time.                              | 10-20                       | C        |
| T36      | Rowan<br>( <i>Sorbus aucuparia</i> )                    | 3         | Multi                | 0.1                | 1                | 1 | 1 | 1 | 0                  | Young       | Fair to poor            | Self-sown multi-stemmed specimen of variable form exhibiting some thinning of foliage within crown.                                         | Monitor for health.                                           | 10-20                       | C        |

| Tree No. | Species                                                                                                                                                           | Height(m) | Single/Multi Stemmed | Stem Diameter(m) | Branch Spread(m) |   |   |   | Height of Crown(m) | Age         | Physiological Condition | Structural Condition                                                                                                                                             | Prel. Man. Recommendations       | Est. Remaining Contribution | Category |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------|------------------|------------------|---|---|---|--------------------|-------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|----------|
|          |                                                                                                                                                                   |           |                      |                  | N                | E | S | W |                    |             |                         |                                                                                                                                                                  |                                  |                             |          |
| T37      | Cherry<br>( <i>Prunus</i> spp.)                                                                                                                                   | 5         | Multi                | 0.4              | 3                | 5 | 4 | 3 | 1                  | Mature      | Poor                    | Ornamental specimen of variable form exhibiting significant internal decay within main stems and major limbs. This specimen is vulnerable to structural failure. | Remove.                          | <10                         | U        |
| G38      | Group of:<br>Lawson Cypress,<br>( <i>Chamaecyparis lawsoniana</i> ),<br>Sycamore<br>( <i>Acer pseudoplatanus</i> ),<br>Japanese Maple<br>( <i>Acer palmatum</i> ) | Up to 3   | Single and Multi     | 0.1              | 1                | 1 | 1 | 1 | 0                  | Young       | Fair                    | Ornamental specimens established in front residential garden.                                                                                                    | No action required at this time. | 10-20                       | C        |
| G39      | Group of:<br>Goat Willow<br>( <i>Salix caprea</i> )                                                                                                               | 5         | Multi                | 0.25             | 2                | 3 | 2 | 1 | 0                  | Middle aged | Poor                    | Self-sown specimens that are partially collapsed.                                                                                                                | Remove.                          | <10                         | U        |
| T40      | Hawthorn<br>( <i>Crataegus monogyna</i> )                                                                                                                         | 4         | Single               | 0.13             | 3                | 0 | 0 | 3 | 1                  | Middle aged | Poor                    | Tree of poor form leaning excessively to the northwest. This tree is at risk of failure.                                                                         | Remove.                          | <10                         | U        |
| T41      | Apple<br>( <i>Malus</i> spp.)                                                                                                                                     | 3         | Multi                | 0.15             | 1                | 1 | 1 | 1 | 0                  | Young       | Fair                    | Self-sown specimen of scrubby habit.                                                                                                                             | No action required at this time. | 10-20                       | C        |
| T42      | Sycamore<br>( <i>Acer pseudoplatanus</i> )                                                                                                                        | 8         | Multi                | 0.2              | 3                | 3 | 3 | 3 | 1                  | Young       | Fair                    | Self-sown specimen of reasonable form.                                                                                                                           | No action required at this time. | 10-20                       | C        |
| T43      | Hawthorn<br>( <i>Crataegus monogyna</i> )                                                                                                                         | 4         | Single               | 0.19             | 3                | 3 | 3 | 3 | 1                  | Middle aged | Fair                    | Self-sown specimen with squat, scrubby habit.                                                                                                                    | No action required at this time. | 20-40                       | C        |