

## **Tree Survey**

### At

# **Bayfield Chepstow**

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I have been instructed by Zoe Aubrey of Barratt Homes to carry out a survey on trees at Bayfield, Chepstow.

#### **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

|   |   |   |   | T                             |
|---|---|---|---|-------------------------------|
| Category and definition   |   | (including subcategories where app  |   |                               |
| Category U Those in such a condition that they cannot realistically be retained as living trees in  | expected due to colla   | ious, irremediable, structural defect<br>apse, including those that will becor<br>es (i.e. where, for whatever reason,<br>by pruning)   | ne unviable after removal of  |                               |
| the context of the current  |   |   | and distance of inverse and in  |                               |
| land use for longer than 10   | overall decline   | or are showing signs of significant, ir   |   |                               |
| years   |   | pathogens of significance to the heal<br>quality trees suppressing adjacent tr  | •   |                               |
|   |   | e existing or potential conservation  |   |                               |
|   | to preserve; see 4.5.7  |   |   |                               |
|   | 1 Mainly Arboricultural values  | 2 Mainly landscape values   | 3 Mainly cultural values, including conservation  |                               |
| Category A 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) | BRITISH STANDA                |
| Category B 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   | BRITISH STANDARD BS 5837:2012 |
| Category C 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   |                               |

| Tree No. | Species  | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |   | Branch Spread(m) |   |     | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations         | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|---|------------------|---|-----|--------------------|----------------|----------------------------|---|---------------------------------------|--------------------------------|----------|
| G1       | Group of Hawthorn (Crataegus monogyna), Blackthorn (Prunus spinosa), Elder (Sambucus nigra) and Hazel (Corylus avellana) | 3         | Multi                   | 0.1              | 1 | 1                | 1 | 1 1 | 0                  | Young          | Fair to poor               | Scrubby specimens forming slightly gappy hedgerow that have been heavily flailed on northern side                                       | Trim annual growth from top and sides | 10-20                          | С        |
| T2       | Field Maple<br>(Acer<br>campestre)   | 4         | Multi                   | 0.25             | 2 | 2                | 2 | 2   | 1                  | Middle<br>aged | Poor                       | Tree of poor form that has previously partially collapsed to the north. This specimen is unsuitable for retention.  Off-site trees thus | Remove  Monitor for health            | <10                            | U        |
| G3       | Group of Ash (Fraxinus excelsior) and Oak (Quercus robur)  | 12        | Single<br>and<br>multi  | 0.35<br>(est.)   | 5 | 4                | 5 | 4   | 2                  | Middle<br>aged | Fair                       | preventing full inspection and accurate measurement. Trees of generally variable form sited in rear gardens.                            | ivionitor for health                  | 20-40                          | В        |

| Tree No. | Species  | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |            | Branch Spread(m) |            |   | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition   | Prel. Man.<br>Recommendations         | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|------------|------------------|------------|---|--------------------|----------------|----------------------------|--|---------------------------------------|--------------------------------|----------|
| G4       | Group of Oak (Quercus robur) and Ash (Fraxinus excelsior)  | 13        | Single<br>and<br>multi  | 0.35<br>(est.)   | <b>N</b> 5 | 4                | <b>S</b> 5 | 4 | 2                  | Middle<br>aged | Fair                       | Off-site trees thus preventing full inspection and accurate measurement. Linear feature sited in rear gardens.   | Monitor for health                    | 20-40                          | В        |
| G5       | Group of Hawthorn (Crataegus monogyna), Elder (Sambucus nigra), Hazel (Corylus avellana) and Holly (Ilex aquifolium) | 7         | Multi                   | 0.25             | 3          | 1                | 1          | 1 | 0                  | Middle<br>aged | Fair to poor               | Scrubby specimens<br>forming gappy<br>hedgerow   | Trim annual growth from top and sides | 10-20                          | С        |
| Т6       | Ash<br>(Fraxinus<br>excelsior)   | 9         | Multi                   | 0.4              | 3          | 2                | 2          | 3 | 4                  | Middle<br>aged | Fair to<br>poor            | Twin stemmed specimen of variable form with evidence of included fork at base. This specimen may become at risk of failure as the stem diameter increases over time. | Monitor for safety                    | 10-20                          | С        |

| Tree No. | Species   | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) | N | Branch Spread(m) | S | W | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations  | Est. Remaining<br>Contribution | Category |
|----------|---|-----------|-------------------------|------------------|---|------------------|---|---|--------------------|----------------|----------------------------|---|--|--------------------------------|----------|
| Т7       | Ash<br>(Fraxinus<br>excelsior)  | 15        | Multi                   | 0.5              | 4 | 4                | 4 | 5 | 2                  | Middle<br>aged | Fair to poor               | Twin stemmed specimen of variable form with evidence of potentially weak basal fork which may be at risk of failure at a later date       | Monitor for safety   | 10-20                          | С        |
| Т8       | Oak<br>(Quercus<br>robur)   | 12        | Single                  | 1m<br>(est.)     | 4 | 5                | 5 | 5 | 2                  | Veteran        | Fair                       | Veteran tree of reasonable form that has previously been heavily reduced in the past  | No action required at this time  | >40                            | A3       |
| Т9       | Goat Willow<br>(Salix<br>caprea)  | 10        | Multi                   | 0.9              | 3 | 4                | 7 | 5 | 1                  | Mature         | Poor                       | Multi stemmed specimen of poor form with evidence of weak basal forks that could lead to stem failure in relation to the adjacent highway | Remove   | <10                            | U        |
| G10      | Group of Hawthorn (Crataegus monogyna), Ash (Fraxinus excelsior), Hazel (Corylus avellana) and Elder (Sambucus nigra) | 6         | Multi                   | 0.25             | 1 | 1                | 1 | 1 | 1                  | Middle<br>aged | Fair to poor               | Scrubby specimens forming gappy hedgerow. Most specimens exhibit signs of die-back and low vigour. Some specimens are dead or dying.      | Remove dead or dying specimens. Monitor remaining trees for health and safety. | 10-20                          | С        |

| Tree No. | Species   | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |        | Branch Spread(m) | - a | Lwy        | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition   | Prel. Man.<br>Recommendations   | Est. Remaining<br>Contribution | Category |
|----------|---|-----------|-------------------------|------------------|--------|------------------|-----|------------|--------------------|----------------|----------------------------|--|---------------------------------|--------------------------------|----------|
| T11      | Oak<br>(Quercus<br>robur)                       | 10        | Single                  | 0.34             | 2<br>2 | 4                | 5   | <b>W</b> 5 | 2                  | Middle<br>aged | Fair                       | Hedgerow tree of reasonable form that has been pruned in relation to adjacent overhead cables  | No action required at this time | 20-40                          | В        |
| T12      | Field Maple<br>(Acer<br>campestre)              | 11        | Single                  | 0.2              | 2      | 2                | 3   | 3          | 5                  | Middle<br>aged | Fair                       | Hedgerow tree of reasonable form   | No action required at this time | >40                            | В        |
| G13      | Group of<br>Hawthorn<br>(Crataegus<br>monogyna) | 10        | Single<br>and<br>multi  | 0.2              | 2      | 5                | 2   | 2          | 1                  | Middle<br>aged | Fair to<br>poor            | Woodland edge trees of variable form with crowns developed on eastern side due to suppression from adjacent woodland trees to the west                     | Monitor for stability           | 10-20                          | С        |
| T14      | Elm (Ulmus<br>spp)                              | 15        | Multi                   | 0.45             | 5      | 9                | 5   | 5          | 1                  | Mature         | Fair                       | Woodland edge tree of reasonable form with crown more heavily developed on eastern side. This specimen may become at risk of developing Dutch Elm disease. | Monitor for health              | 20-40                          | В        |

| Tree No. | Species  | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |   | Branch Spread(m) |   |        | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations                         | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|---|------------------|---|--------|--------------------|----------------|----------------------------|---|---|--------------------------------|----------|
| G15      | Group of Hazel (Corylus avellana), Holly (Ilex aquifolium), Cherry (Prunus spp), Elm (Ulmus spp), Hawthorn (Crataegus monogyna) and Ash (Fraxinus excelsior) | 14        | Single<br>and<br>multi  | 0.25             | 3 | <b>E</b> 5       | 3 | 3<br>3 | 2                  | Middle<br>aged | Fair                       | Woodland edge trees of reasonable form with crowns more heavily developed on eastern side | Monitor for stability                                 | 20-40                          | В        |
| T16      | Hazel<br>(Corylus<br>avellana)   | 6         | Multi                   | 0.4              | 2 | 6                | 1 | 1      | 1                  | Mature         | Fair to poor               | Tree of variable form leaning excessively to the east                                     | Undertake 15% crown reduction. Monitor for stability. | 10-20                          | С        |
| T17      | Ash<br>(Fraxinus<br>excelsior)   | 11        | Single                  | 0.21             | 1 | 10               | 0 | 0      | 2                  | Middle<br>aged | Poor                       | Tree of poor form leaning excessively to the east. This specimen is at risk of failure.   | Remove  | <10                            | U        |
| T18      | Ash<br>(Fraxinus<br>excelsior)   | 8         | Multi                   | 0.3              | 1 | 6                | 1 | 0      | 3                  | Middle<br>aged | Poor                       | Twin stemmed specimen of poor form leaning excessively to the east                        | Remove  | <10                            | U        |

| Tree No. | Species   | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |     | Branch Spread(m) |   |   | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations                               | Est. Remaining<br>Contribution | Category |
|----------|---|-----------|-------------------------|------------------|-----|------------------|---|---|--------------------|----------------|----------------------------|---|---|--------------------------------|----------|
| T19      | Ash<br>(Fraxinus<br>excelsior)  | 15        | Single                  | 0.31             | N 2 | <b>E</b> 7       | 3 | 3 | 6                  | Middle<br>aged | Fair to poor               | Tree of variable form with evidence of wire damage at 1m on eastern side of main stem. Notable sweep to the east of the main stem up to a height of approximately 6m. | Undertake 15% crown<br>reduction. Monitor for<br>stability. | 10-20                          | С        |
| G20      | Group of Cherry (Prunus spp), Holly (Ilex aquifolium), Field Maple (Acer campestre) and Spindle (Euonymus europaea) | 6         | Single<br>and<br>multi  | 0.15             | 1   | 4                | 1 | 1 | 1                  | Young          | Poor                       | Trees of poor form<br>leaning excessively to<br>the east  | Remove  | <10                            | U        |
| T21      | Cherry<br>(Prunus spp)  | 9         | Multi                   | 0.35             | 2   | 6                | 5 | 2 | 2                  | Middle<br>aged | Poor                       | Twin stemmed specimen with extensive basal decay  | Remove  | <10                            | U        |
| T22      | Ash<br>(Fraxinus<br>excelsior)  | 18        | Single                  | 0.7              | 6   | 9                | 8 | 7 | 3                  | Mature         | Poor                       | Woodland edge tree with massive basal decay. This specimen is at risk of immediate failure.   | Remove  | <10                            | U        |

| Tree No. | Species  | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |   | Branch Spread(m) |       |     | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations   | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|---|------------------|-------|-----|--------------------|----------------|----------------------------|---|---|--------------------------------|----------|
| T23      | Ash<br>(Fraxinus<br>excelsior)   | 17        | Single                  | 0.66             | 2 | <b>E</b> 6       | S   7 | 4 4 | 2                  | Mature         | Fair to poor               | Woodland edge tree of variable form. Main stem and mid crown heavily colonised by ivy thus preventing full inspection. Evidence that serious storm damage has occurred in mid crown in the past, which has led to commencement of decay on main stem. | Undertake 20% overall crown reduction. Sever ivy at base. Monitor for safety. | 10-20                          | С        |
| G24      | Group of Hawthorn (Crataegus monogyna), Hazel (Corylus avellana) and Cherry (Prunus spp) | Up to     | Single<br>and<br>multi  | 0.3              | 3 | 5                | 3     | 3   | 2                  | Middle<br>aged | Fair to<br>poor            | Woodland edge trees of generally variable form. Most Cherries exhibit signs of severe die-back. Some are dead.  | Remove all specimens of Cherry. Monitor remaining trees for safety.           | 10-20                          | С        |

| Tree No. | Species  | Height(m)   | Single/Multi<br>Stemmed | Stem Diameter(m) |   | Branch Spread(m) |   |   | Height of Crown(m) | Age    | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations   | Est. Remaining<br>Contribution | Category |
|----------|--|-------------|-------------------------|------------------|---|------------------|---|---|--------------------|--------|----------------------------|---|---|--------------------------------|----------|
|          |  |             |                         |                  | N | E                | S | W | 1                  |        |                            |   |   |                                |          |
| G25      | Group of Elm (Ulmus spp), Cherry (Prunus spp), Sycamore (Acer pseudo- platanus), Ash (Fraxinus excelsior) Hazel (Corylus avellana), Hawthorn (Crataegus monogyna), Birch (Betula pendula) and Goat Willow (Salix caprea) | Up to<br>16 | Single<br>and<br>multi  | 0.35<br>(avg.)   | 4 | 6                | 4 | 4 | 1                  | Middle | Fair to poor               | Woodland edge trees of generally variable form. Many specimens, particularly Goat Willow and Cherry, exhibit signs of die-back and decline in health. Some specimens have already failed. Evidence of root disturbance on eastern side of root protection area which may have led to a decline in health of some specimens. | Remove dead, dying or dangerous specimens of trees. Monitor remaining trees for safety. | 10-20                          | С        |

| Tree No. | Species   | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |        | Branch Spread(m) |     |        | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations   | Est. Remaining<br>Contribution | Category |
|----------|---|-----------|-------------------------|------------------|--------|------------------|-----|--------|--------------------|----------------|----------------------------|---|---------------------------------|--------------------------------|----------|
| G26      | Group of Hawthorn (Crataegus monogyna) and Hazel (Corylus avellana)                         | 5         | Multi                   | 0.2              | N<br>1 | 1                | S 1 | 1<br>1 | 1                  | Middle<br>aged | Fair to poor               | Scrubby specimens forming gappy hedgerow  | No action required at this time | 10-20                          | С        |
| T27      | Ash<br>(Fraxinus<br>excelsior)  | 9         | Single                  | 0.28             | 2      | 1                | 3   | 3      | 3                  | Middle<br>aged | Poor                       | Tree of poor form with extensive basal decay  | Remove                          | <10                            | U        |
| T28      | Oak<br>(Quercus<br>robur)   | 7         | Single                  | 0.34             | 4      | 3                | 5   | 3      | 3                  | Middle<br>aged | Fair to poor               | Hedgerow tree of variable form with evidence of basal decay                                       | Monitor for safety              | 10-20                          | С        |
| T29      | Field Maple<br>(Acer<br>campestre)  | 8         | Single                  | 0.41             | 3      | 3                | 3   | 3      | 1                  | Mature         | Fair                       | Tree of reasonable form. Some evidence of slight thinning and die-back on northern side of crown. | Monitor for health              | 20-40                          | В        |
| G30      | Group of Hazel (Corylus avellana), Elder (Sambucus nigra) and Hawthorn (Crataegus monogyna) | 9         | Multi                   | 0.3              | 2      | 3                | 2   | 2      | 1                  | Middle<br>aged | Fair                       | Scrubby specimens<br>forming overgrown<br>hedgerow  | Monitor for stability           | 20-40                          | В        |

| Tree No. | Species   | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) | N | Branch Spread(m) | S | W | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition   | Prel. Man.<br>Recommendations | Est. Remaining<br>Contribution | Category |
|----------|---|-----------|-------------------------|------------------|---|------------------|---|---|--------------------|----------------|----------------------------|--|-------------------------------|--------------------------------|----------|
| G31      | Group of Hawthorn (Crataegus monogyna), Blackthorn (Prunus spinosa), Elder (Sambucus nigra), Hazel (Corylus avellana) and Holly (Ilex aquifolium) | 3         | Multi                   | 0.15             | 1 | 1                | 1 | 1 | 0                  | Middle<br>aged | Fair to poor               | Scrubby specimens forming gappy hedgerow   | Monitor for health            | 10-20                          | С        |
| G32      | Group of Hawthorn (Crataegus monogyna), Elder (Sambucus nigra) and Spindle (Euonymus europaea)  | 3         | Multi                   | 0.2              | 1 | 1                | 1 | 1 | 1                  | Middle<br>aged | Fair to<br>poor            | Scrubby specimens<br>forming several gappy<br>sections of hedgerow   | Monitor for health            | 10-20                          | С        |
| T33      | Ash<br>(Fraxinus<br>excelsior)  | 9         | Multi                   | 0.6              | 5 | 5                | 4 | 5 | 2                  | Middle<br>aged | Fair to<br>poor            | Twin stemmed specimen of variable form with evidence of bulging at base of lower fork which may indicate a point of weakness | Monitor for stability         | 10-20                          | С        |

| Tree No. | Species  | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |        | Branch Spread(m) |       |     | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition   | Prel. Man.<br>Recommendations | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|--------|------------------|-------|-----|--------------------|----------------|----------------------------|--|-------------------------------|--------------------------------|----------|
| G34      | Group of Hawthorn (Crataegus monogyna) and Elder (Sambucus nigra)                                | 3         | Multi                   | 0.15             | N<br>1 | 1                | S   1 | 1 1 | 1                  | Middle<br>aged | Fair to poor               | Scrubby specimens which form a part of a gappy remnant hedgerow  | Monitor for health            | 10-20                          | С        |
| T35      | Hazel<br>(Corylus<br>avellana)   | 3         | Multi                   | 0.15             | 2      | 1                | 1     | 1   | 1                  | Middle<br>aged | Poor                       | Isolated remnant of hedgerow which has suffered severe animal damage which is likely to lead to stem failure | Remove                        | <10                            | U        |
| T36      | Elder<br>(Sambucus<br>nigra)   | 4         | Single                  | 0.29             | 3      | 3                | 2     | 2   | 2                  | Mature         | Poor                       | Tree of variable form with extensive stem decay  | Remove                        | <10                            | U        |
| G37      | Group of Hawthorn (Crataegus monogyna), Blackthorn (Prunus spinosa) and Hazel (Corylus avellana) | 5         | Multi                   | 0.3              | 2      | 1                | 1     | 1   | 1                  | Middle<br>aged | Fair to<br>poor            | Scrubby specimens forming gappy hedgerow   | Monitor for health            | 10-20                          | С        |

| Tree No. | Species  | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) | Branch Spread(m) |    |    |   | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition   | Prel. Man.<br>Recommendations   | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|------------------|----|----|---|--------------------|----------------|----------------------------|--|---------------------------------|--------------------------------|----------|
|          |  |           |                         |                  | N                | E  | S  | W | H                  |                |                            |  | , ,                             |                                |          |
| G38      | Group of Hawthorn (Crataegus monogyna), Hazel (Corylus avellana) and Holly (Ilex aquifolium)                         | 7         | Multi                   | 0.25             | 2                | 2  | 2  | 2 | 0                  | Middle<br>aged | Fair                       | Scrubby specimens forming good quality hedgerow                        | No action required at this time | 20-40                          | В        |
| T39      | Oak<br>(Quercus<br>robur)  | 19        | Single                  | 1.11             | 11               | 11 | 12 | 9 | 2                  | Mature         | Good                       | Notable hedgerow specimen of good form. Evidence of minor basal decay. | No action required at this time | >40                            | A        |
| G40      | Group of Hawthorn (Crataegus monogyna), Hazel (Corylus avellana), Elder (Sambucus nigra) and Holly (Ilex aquifolium) | 8         | Multi                   | 0.3              | 4                | 2  | 3  | 2 | 1                  | Middle<br>aged | Fair                       | Overgrown shrubs forming good quality hedgerow                         | No action required at this time | >40                            | В        |

| Tree No. | Species                                    | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) |         | Branch Spread(m) |    |    | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition  | Prel. Man.<br>Recommendations   | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|---------|------------------|----|----|--------------------|----------------|----------------------------|---|---|--------------------------------|----------|
| T41      | Oak<br>(Quercus<br>robur)                  | 19        | Single                  | 1.32             | N<br>13 | 13               | 12 | 10 | 2                  | Mature         | Fair                       | Notable hedgerow specimen of good form. Extensive internal decay within main stem. Evidence of previous storm damage in lower and mid crown which has led to commencement of some decay within major limbs and branches.  | Undertake 15% overall crown reduction. Monitor for safety.                                      | >40                            | В        |
| G42      | Group of<br>Ash<br>(Fraxinus<br>excelsior) | 15        | Multi                   | 0.4              | 6       | 3                | 6  | 6  | 3                  | Middle<br>aged | Fair to<br>poor            | Multi stemmed hedgerow specimens of slightly variable form with evidence of basal inclusions  | Undertake 15% crown reduction. Monitor for stability.   | 10-20                          | С        |
| T43      | Oak<br>(Quercus<br>robur)                  | 18        | Single                  | 1.07             | 8       | 12               | 9  | 9  | 3                  | Mature         | Fair                       | Hedgerow tree of good form. Evidence of some basal decay. Main stem and mid crown heavily colonised by ivy thus preventing full inspection. Evidence of previous storm damage in lower crown which has led to commencement of some decay within major limbs and branches. | Monitor for safety with<br>a view to undertaking<br>some minor crown<br>reduction in the future | >40                            | В        |

| Tree No. | Species  | Height(m) | Single/Multi<br>Stemmed | Stem Diameter(m) | Branch Spread(m) |   |   |   | Height of Crown(m) | Age            | Physiological<br>Condition | Structural Condition   | Prel. Man.<br>Recommendations  | Est. Remaining<br>Contribution | Category |
|----------|--|-----------|-------------------------|------------------|------------------|---|---|---|--------------------|----------------|----------------------------|--|--|--------------------------------|----------|
| G44      | Group of Hawthorn (Crataegus monogyna), Elder (Sambucus nigra), Hazel (Corylus avellana) and Holly (Ilex aquifolium) | 7         | Multi                   | 0.35             | 3<br>3           | 2 | 2 | 2 | 1                  | Middle<br>aged | Fair to poor               | Scrubby specimens forming gappy hedgerow. Some trees are in a declining condition. | Remove any dead, dying or dangerous specimens. Monitor remaining trees for health. | 10-20                          | С        |
| T45      | Elder<br>(Sambucus<br>nigra)   | 5         | Multi                   | 0.3              | 1                | 1 | 1 | 1 | 3                  | Mature         | Poor                       | Tree of poor form with extensive die-back throughout crown                         | Remove   | <10                            | U        |

### **Recommendations for Tree Protection during Development**

Due to the high risk to established trees we would recommend the installation of protective fencing prior to commencement of <u>any</u> works on site in accordance with BS 5837:2012 "Trees in relation to Construction". Trees should be protected using scaffold frame supporting weld mesh panel fencing sited on the edge of the Root Protection Area as defined in BS5837:2012. These fenced areas should not be used for the storage of any plant machinery or materials and personnel should be excluded at all times; these fences should remain in situ until after final landscaping has been carried out, removed by hand with great care to prevent compaction or root damage to established trees. The services of a suitably qualified arborist should be sought **prior** to the commencement of each stage.





















