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## HYDE END ROAD



## PLANNING SUBMISSION (ARBORICULTURE)



-TREE SURVEY TO BS5837:2012  
-ARBORICULTURAL IMPACT ASSESSMENT  
-PROPOSED TREE RETENTION AND REMOVAL  
-TREE PROTECTION PLAN &  
ARBORICULTURAL METHOD STATEMENT

*Prepared for:* Bloor Homes (Southern) and the University of Reading

*FLAC Instruction ref:* 44-1023

*Issued:* July 2025

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FLAC Instruction ref. CC44-1023

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## Arboricultural Impact Assessment -

### Introduction

This Arboricultural Impact Assessment has been prepared on instructions from Bloor Homes (Southern) and the University of Reading.

This document comprises the following elements:

- i) Text introducing the key points in relation to FLAC's baseline survey and arboricultural impacts of tree retention and removal based upon the application's site layout plan
- ii) Explanatory key to aid interpretation of the tree survey data, including our representation of BS5837:2012 Table 1, *Cascade Chart for Tree Quality Assessment*
- iii) BS5837:2012 compliant tree survey data, including *Proposal* column identifying tree retention and removal outcomes, to be cross-referenced to the colour-coded crown outlines on the following FLAC drawing
- iv) Multi-sheet drawing presenting our Tree Survey and Retention & Removal Plan with layout overlay, comprising an overview sheet (not to scale) and two detail sheets scaled 1:500 at A0, project drawing ending .02
- v) Multi-sheet drawing presenting our Tree Protection Plan (Outline) with layout overlay, comprising an overview sheet (not to scale) and two detail sheets scaled 1:500 at A0, project drawing ending .03

## HYDE END ROAD

### Arboricultural Impact Assessment -

#### 1 Tree retention and removal - qualitative analysis

1.1 Trees on and adjacent the site have been assessed by FLAC according to the recommendations of BS5837:2012 *Trees in relation to design, demolition and construction - Recommendations*. As its title indicates, this document is specifically designed to inform and be used within the planning process.

1.2 A BS5837-compliant assessment includes differentiation of the quality of the trees according to that Standard's Table 1, which provides for trees to be placed into one of four quality categories:

- A High quality
- B Moderate quality
- C Low quality
- U Trees which are unretainable in viable condition, regardless of development

1.3 Following categorisation, the impact of any given set of proposals on a tree population can be assessed in terms of the retention or removal of trees within each quality category. The impact of proposals based upon our assessment of the site layout plan for existing trees (comprising both individual trees and trees within groups) and hedgerows is summarised in Tables 1 and 2 below.

*Table 1. Tree numbers by quality and value categories, after impacts by the proposals*

| <b>Grade</b> | <b>Trees before</b> | <b>Trees after</b> | <b>Trees lost</b> | <b>% of tree grade lost</b> | <b>% of tree grade retained</b> |
|--------------|---------------------|--------------------|-------------------|-----------------------------|---------------------------------|
| U*           | 64                  | 45                 | 19                | 30                          | 70                              |
| A            | 3                   | 3                  | 0                 | 0                           | 100                             |
| B            | 103                 | 101                | 2                 | 2                           | 98                              |
| C            | 287                 | 274                | 13                | 5                           | 95                              |

\* Subject to post-completion checks by FLAC, the U category specimens proposed for removal are as follows: individual trees 9005, 9096 and 9070; and tree groups TG9003 (4no) and TG9020 (10no) TG9014 (2no, with 3no retained).

*Table 2. Hedgerow retention and removal by length and percentage, after impacts by the proposals*

| Total hedgerow length (m) | Retained hedgerow length (m) | Retained hedgerow (%) | Removed hedgerow length (m) | Removed hedgerow (%) |
|---------------------------|------------------------------|-----------------------|-----------------------------|----------------------|
| 843                       | 833                          | 98.8                  | 10                          | 1.2                  |

1.4 As Table 1 above sets out, tree removals comprise very low percentages of both B and C category specimens (BS5837 moderate low quality and value). No high-quality (A category) trees are identified to be removed. Table 2 informs that a very high percentage of hedgerows are retained, removal amounts to two short apertures being formed at HR9003 and HR9014 for proposed pedestrian access routes.

1.5 Tree removals to facilitate proposals are shown on the *Tree Survey and Retention & Removal Plan* project drawing ending .02, which follows. The crown coding on the plan can be cross-referenced to the Tree Survey Data Table, under the column headed *Proposal*.

## **2 Response to pre-application advice**

2.1 A pre-application advice response letter prepared by Wokingham Borough Council dated 20<sup>th</sup> June 2025 included a 'Trees and Landscaping' section. This section included the following paragraph:

It does not look as though there have been any changes to site layout in relation to the ancient woodlands, however it is reiterated that all development (including level changes) will need to be outside the 15m buffer zone with additional space for an appropriate landscaped transition zone.

2.2 To the south of Tanners Copse (which is in the Natural England ancient woodland inventory) open space is provided beyond the buffer zone to the south of the woodland, and at the southern end of the woodland's western side. Elsewhere, development adjacent to woodland shown as ancient is proposed up to the 15m buffer zone.

2.3 The provision of a 'landscaped transition zone' in addition to a 15m buffer zone is beyond the scope of the existing government's Standing Advice relating to ancient woodlands. The purpose of the buffer zone is to provide a transition area through the creation of new semi-natural habitat, and this is proposed.



2.4 In the locations where the development proposals extend to the 15m buffer zone line the current land use is arable farming in which the fields are ploughed, sprayed and cultivated up to the woodland edges. Converting this land to a 15m wide semi-natural buffer zone will provide significant betterment for the woodlands by comparison to the existing situation.

### **3 Tree protection during construction**

3.1 Standardised tree protection details for the development phase are provided upon our *Tree Protection Plan (Outline)* (TPP, project drawing ending .03, following) which includes an Arboricultural Method Statement, Tree Protection Phasing Schedule and an Arboricultural Supervision Schedule.

3.2 The TPP depicts the positions of tree protection fencing to separate retained trees from construction activity, in combination new permanent ground protection and temporary ground protection, a tree protection system designed in concert with the phasing and supervision schedules to deliver tree protection throughout the construction process.

*Forbes-Laird Arboricultural Consultancy*

## KEY TO TREE SURVEY DATA SCHEDULE

### Note

This survey has been undertaken in compliance with BS5837:2012; it is not intended to be a tree safety survey. Any notes offered on structural integrity of trees are incidental, though where trees are considered to be in immediately hazardous condition (identified by red font in the *Structural condition & Notes* column, see below), our recommendations given for immediate intervention should be put in hand by the owner / site manager as soon as can be arranged.

Trees are dynamic living organisms capable of achieving considerable size and structural complexity. They are exposed to and can become damaged by the elements and by human activity, and have co-evolved with decay-causing organisms that can degrade and sometimes destroy their structural integrity. Due to genetic characteristics and local microenvironmental factors this integrity can be innately uncertain. The laws and forces of nature dictate a natural failure rate even among trees that are healthy and structurally sound. By their very nature, therefore, trees cannot be considered entirely hazard-free.

Tree surveys and / or tree inspections are, inherently, only a snapshot in time of the physiological and structural condition of the trees concerned.

Unless otherwise stated in our reporting material, all such surveys and inspections are undertaken from ground level and no internal inspections or tests have been undertaken. Any structural defects present might be not be visible, for example being masked by vegetation, whether the tree's foliage, plants growing round the base of the tree, or climbing plants growing on the stem and into the crown.

Unless otherwise stated, the survey data should be considered time-limited **for planning purposes** to a maximum of three years (absent revisions of BS5837, which render pre-existing data obsolete).

### FLAC Ref. No.

Tree numbers per relevant FLAC dwg

In line with the advice of BS5837:2012, where trees occur as a cohesive group feature (prefixed TG for tree group or WG for woodland group), they are assessed as such

Size data for TG or WG are given as mean figures for trees at roughly the 80 percentile of the population concerned. Trees in the 90-100 percentile range for the group are identified on the TSP

Trees within TG / WG boundaries that have more than one stem and which are sub-dominant within the TG / WG (i.e. <80 percentile) are subsumed within the TG / WG data; dominant multi-stemmed trees (i.e. >80 percentile) within TG / WG boundaries are listed as individual trees

TG / WG outlines follow the mapping base (typically either topographical survey or geo-rectified aerial imagery)

Hedges (domestic) are recorded prefixed H and are always excluded from the provisions of the Hedgerows Regulations 1997

Hedgerows (rural) are recorded prefixed HR and possibly fall within the provisions of the Hedgerows Regulations 1997

All numbering starts from x001 **for each type of vegetation**, where x identifies the surveyor (9000 series = JFL). Thus:

|        |                 |
|--------|-----------------|
| 9000   | Individual tree |
| TG9000 | Tree group      |
| WG9000 | Woodland group  |
| H9000  | Domestic hedge  |
| HR9000 | Rural hedgerow  |

The addition of the FLAC instruction ref. ahead of the tree number provides a unique, non-repeated reference number for the particular tree in question

Any trees omitted from the topo survey are listed on the referenced plan, though their positions are only shown indicatively. Off-site trees are included where deemed relevant, though their positions are also shown indicatively if omitted from the topo base

### **TPO Ref.**

Statutory protection listing for individual trees, TG and WG

**ATTENTION: SEE NOTE IMMEDIATELY BELOW**

### **Note**

This column is only completed in cases where FLAC has been instructed to undertake a TPO search and correlation to FLAC reference numbers. The absence of data in this column **must not** be taken to indicate that the trees concerned are not under TPO protection. Statutory protection may also arise from the trees' location within a Conservation Area. Further statutory control over tree removal may be conferred by the Forestry Act 1967

### **Species**

Tree species as listed in the schedule by common name. Species present are [LIST ADAPTED TO REFLECT SURVEY FINDINGS]:

| <i>Common name</i> | <i>Botanical name</i>       | <i>Provenance</i> | <i>Notes</i>                       |
|--------------------|-----------------------------|-------------------|------------------------------------|
| Apple              | Malus domestica             | Native            |                                    |
| Ash                | Fraxinus excelsior          | Native            |                                    |
| Aspen              | Populus tremula             | Exotic            |                                    |
| Blackthorn         | Prunus spinosa              | Native            |                                    |
| Cherry plum        | Prunus cerasifera           | Naturalised       |                                    |
| Crack willow       | Salix fragilis              | Native            |                                    |
| Douglas fir        | Pseudotsuga menziesii       | Exotic            |                                    |
| Elder              | Sambucus nigra              | Native            |                                    |
| Elm                | Ulmus procera               | Native            |                                    |
| False acacia       | Robinia pseudoacacia        | Exotic            |                                    |
| Field maple        | Acer campestre              | Native            |                                    |
| Flowering cherry   | Prunus sp.                  | Exotic            | Generic term for Japanese cherries |
| Gean               | Prunus avium                | Native            |                                    |
| Hawthorn           | Crataegus monogyna          | Native            |                                    |
| Hazel              | Corylus avellana            | Native            |                                    |
| Holly              | Ilex aquifolium             | Native            |                                    |
| Holm oak           | Quercus ilex                | Exotic            |                                    |
| Hornbeam           | Carpinus betulus            | Native            |                                    |
| Horse chestnut     | Aesculus hippocastanum      | Naturalised       |                                    |
| Leyland cypress    | x Cupressocyparis leylandii | Exotic            |                                    |
| Osier              | Salix viminalis             | Native            |                                    |
| Pedunculate oak    | Quercus robur               | Native            |                                    |
| Plum               | Prunus domestica            | Native            |                                    |
| Silver birch       | Betula pendula              | Native            |                                    |
| Stag's-horn Sumach | Rhus typhina                | Exotic            |                                    |
| Sweet chestnut     | Castanea sativa             | Naturalised       |                                    |
| Sycamore           | Acer pseudoplatanus         | Naturalised       |                                    |

### **Tree Count**

For trees assessed as groups (ident. prefix TG), number of trees present, according to:

|              |                |
|--------------|----------------|
| 2-10 trees   | Accurate count |
| 11-50 trees  | Close estimate |
| 51-100 trees | Estimate       |

### **Area m<sup>2</sup>**

For trees assessed as woodland (ident. prefix WG), existing area in square metres within survey envelope, derived from CAD interrogation of the completed tree survey plan

### **Ht. (m)**

Tree height in metres

*Either:*

### **Crown Spread**

For individual trees, measured radial crown spread in metres, listed for each of the four cardinal points

*Or:*

### **MRCS**

For trees assessed as groups or woodland, an estimated mean radial crown spread in metres for trees at the 80 percentile size

### **Note**

For trees assessed as woodland, sample measurements for canopy overhang beyond woodland boundary (i.e. hedgerow, fence, ditch etc.) are given on the tree survey plan

*Or:*

### **Mean Width**

Mean width in metres of hedge or hedgerow

### **Length**

Approximate length in metres of hedge or hedgerow

### **Ht. 1<sup>st</sup> Br.**

For individual trees and trees assessed as groups or woodland, height in metres above ground of attachment point of first significant branch (cardinal point may be given indicating growing direction)

### **Ht. Can.**

For individual trees and trees assessed as groups or woodland, mean height in metres of lower extent of tree canopy above ground

### **Stem Count**

For individual trees, number of stems present below 1.5m AGL. Stem count affects diameter entry as follows:

Where the stem count is 1 the diameter should be entered into the 1 column under Stem Dia.

Where the stem count is up to 5 each stem dia. should be listed

Where the stem count exceeds 5, the mean stem diameter should be entered in the 1 column

*Either:*

### **Stem Dia. (mm)**

Stem diameter(s) at 1.5m above ground level (see measurement system in BS5837:2012 Annex C), given in millimetres

*Where entered 1:*

Single measured stem diameter

*Where entered 2-5:*

Multiple measured stem diameters, listed per stem

*Where entered >5:*

For trees with more than five stems, diameter is listed as an estimated mean

Where the diameter entry for trees with 1 or 2-5 stems appears in italics, this indicates that it was estimated by the surveyor (for example, due to the presence of ivy on the stem)

It is our practice to round up when estimating stem diameters

*Or:*

### **Specimen Stem Dia.**

For trees assessed as groups or woodland, stem diameter in millimetres at 1.5m above ground level for 80 percentile member of TG or WG. Trees with larger diameters are identified on the TSP

*Or:*

### **Mean Stem Dia.**

Mean stem diameter in millimetres above the basal flare of hedge or hedgerow component plants

*Either:*

### **RPA Rad.**

Radius in metres of the notionally circular Root Protection Area, based on 12x stem diameter (example for single stemmed trees), capped to 15m radial to stem centre

### **Note**

Where trees are identified as being *notable* (i.e. very large trees that have yet to attain veteran status), FLAC removes the cap such that the RPA is simply 12x stem diameter

Or:

**Specimen RPA Rad.**

For trees assessed as groups or woodland, radius in metres of the notionally circular Root Protection Area based on specimen diameter for TG or WG 80 percentile tree

*Either:*

Conversion of RPA radius to an area, given in m<sup>2</sup>, capped to a maximum of 707m<sup>2</sup> (in line with BS5837:2012), except for *notable* trees

Or:

**Specimen RPA Area**

For trees assessed as groups or woodland, conversion of specimen RPA radius to an area, given in m<sup>2</sup>, capped to a maximum of 707m<sup>2</sup>

**Note**

RPA for hedges or hedgerows is to be taken as 3m from the centreline, half the height or 2m beyond existing width, whichever is the greater

**Life Stage**

Life stage assessment according into:

|    |              |
|----|--------------|
| Y  | Young        |
| SM | Semi-mature  |
| EM | Early mature |
| M  | Mature       |
| OM | Over-mature  |
| V  | Veteran      |

**Note**

The V coding for veteran trees has been included due to the specific protection that such trees enjoy under the NPPF.

**Phys. Condition**

An assessment of the **physiological** condition (i.e. health/vitality) status of the tree summarised according to:

|             |  |
|-------------|--|
| <b>GOOD</b> | Generally in healthy condition                               |
| <b>FAIR</b> | Condition satisfactory though below mean species performance |
| <b>POOR</b> | Tree in decline/retranching                                  |
| <b>DEAD</b> | Self explanatory   |

**Structural condition & Notes**

Notes on the apparent structural integrity of the tree based on visual tree assessment, including notes on form, taper, forking habit, storm damage, decay fungi, pests, etc. plus other pertinent observations

## Management recommendations

Preliminary recommendations for intervention (e.g. tree surgery, felling, etc) in relation to existing context

Trees assessed as being in apparently immediately hazardous condition will be notified to the client separately as soon as practical. Where the recommendation is for further investigation, including removal of ivy and reinspection, the given retention span and quality/value grade (see below) should be treated as provisional

## **Notes**

This is **not** intended to comprise a specification for tree work: further advice should be sought prior to implementation

Change in land use (target value) requires further assessment

## Ret. Span

Estimated remaining retention span based on species, condition & context divided into the following bands (relates to quality and value grade achievable as stated):

*Years      Best QV grade*

|     |   |
|-----|---|
| <10 | U |
| 10+ | C |
| 20+ | B |
| >40 | A |

## QV Grade

Quality & Value grade classification according to BS5837:2012 (see attached extract from BS5837:2012 'Table 1 - Cascade Chart for Tree Quality Assessment') –

| <i>Grade</i> | <i>Summary meaning</i>   | <i>Ident. colour spot on TSP</i> |
|--------------|--|----------------------------------|
| <b>U</b>     | Trees that are unretainable in viable condition                | Dark red                         |
| <b>A</b>     | High quality & value and consequent high retention priority    | Light green                      |
| <b>B</b>     | Moderate quality and value (moderate priority for retention)   | Mid-blue                         |
| <b>C</b>     | Low quality and value (generally considered to be sacrificial) | Grey                             |

## **Note**

Trees present which we consider to be **exceptional** specimens are identified by the suffix \* after the A grade, e.g. A1\*

## Proposal

This column identifies:

1. Pre-planning (Arboricultural Stages 1, Tree Survey, & 2, Design):  
Our initial view of a defensible tree retention / removal balance
2. Planning submission (Arboricultural Stage 3):  
The actual tree retention / removal balance as proposed

The following codes are used:

|      |  |
|------|--|
| RET  | 1. Trees preferably retained<br>2. Trees that would be retained  |
| PRET | <i>For tree groups (TG), woodlands (WG) &amp; hedgerows (HR)</i> – signifies partial retention (see below) |
| REM  | 1. Trees defensibly removed to facilitate development<br>2. Trees that would be removed                    |
| U    | Trees identified to be unsuitable for retention  |

#### **No. of trees retained**

*For tree groups only*

Number of trees retained out of the total recorded for the group. Outcomes are as follows:

|                    |  |
|--------------------|--|
| Survey grade U     | Number of trees for retention defaults to 0 (can be amended by manual override)            |
| Proposal code RET  | Number of trees for retention defaults to total from <i>Tree Count</i> data field          |
| Proposal code PRET | No. of trees for retention requires manual input following interrogation of relevant plans |
| Proposal code REM  | Number of trees for retention defaults to 0  |

#### **Trees retained %**

*For tree groups only*

Percentage of pre-existing TG tree count that would be retained, based on an auto-sum derived from inputs into the preceding column

#### **Area retained m<sup>2</sup>**

*For woodlands only*

Area, in square metres, of woodland (WG) proposed for retention. Outcomes are as follows:

|                    |  |
|--------------------|--|
| Survey grade U     | Area for retention defaults to 0 (can be amended by manual override)               |
| Proposal code RET  | Area for retention defaults to existing area                                       |
| Proposal code PRET | Area for retention requires manual input following interrogation of relevant plans |
| Proposal code REM  | Area for retention defaults to 0   |

#### **Area retained %**

*For woodlands only*

Percentage of pre-existing WG area that would be retained, based on an auto-sum derived from inputs into the preceding column

#### **Length retained m**

*For hedgerows only*

Length, in metres, of hedgerow (HR) proposed for retention. Outcomes are as follows:







|                    |  |
|--------------------|--|
| Survey grade U     | Length for retention defaults to 0 (can be amended by manual override)               |
| Proposal code RET  | Length for retention defaults to existing length                                     |
| Proposal code PRET | Length for retention requires manual input following interrogation of relevant plans |
| Proposal code REM  | Length for retention defaults to 0   |

### **Length retained %**

*For hedgerows only*

Percentage of pre-existing HR length that would be retained, based on an auto-sum derived from inputs into the preceding column

**BS5837:2012 Table 1 – Cascade chart for tree quality assessment**

| Category and definition   | Criteria (including subcategories where appropriate)   |   |   | Identification on plan  |
|---|--|---|---|---|
| Trees unsuitable for retention (see Note)   |  |   |   |   |
| <b>Category U</b><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 category U trees (e.g. 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><i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see [BS5837:2012] 4.5.7.</i></p> |   |   |    |
|   |  |   |   |   |
|   | 1 Mainly arboricultural qualities  | 2 Mainly landscape qualities  | 3 Mainly cultural values, including conservation  |   |
| Trees to be considered for retention  |  |   |   |   |
| <b>Category A</b><br><b>Trees of high quality</b> 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 those that are essential components of groups or 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) |    |
| <b>Category B</b><br><b>Trees of moderate quality</b> 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 value  |    |
| <b>Category C</b><br><b>Trees of low quality</b> with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm       | 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   |  |

#### FLAC Note

The original contents of the column *Identification on plan* have been replaced by FLAC in the version above; spot colours to RGB codes given in BS5837:2012 Table 2

HYDE END ROAD : TREE SURVEY DATA TABLE

Data for individual trees

| FLAC Ref. No. | TPO Ref | Species         | Ht.<br>(m) | Crown Spread (m) |     |     |     | Ht. 1 <sup>st</sup> Rr.<br>(m) | Ht. Can.<br>(m) | Stem Count | Stem Dia. (mm) |     |     |     |    | RPA Rad.<br>(m) | RPA Area<br>(m2) | Life Stage<br>Y-SM-EM-M-OM-V | Phys. Condition<br>G-F-P-D | Structural condition & Notes   | Management recommendations   | Ret. Span<br><10, 10+ 20+, >40 | QV Grade<br>U-A-B-C | Proposal |
|---------------|---------|-----------------|------------|------------------|-----|-----|-----|--------------------------------|-----------------|------------|----------------|-----|-----|-----|----|-----------------|------------------|------------------------------|----------------------------|--|--|--------------------------------|---------------------|----------|
|               |         |                 |            | N                | S   | W   | E   |                                |                 |            | 1 / mean       | 2   | 3   | 4   | 5  |                 |                  |                              |                            |  |  |                                |                     |          |
| 9001          |         | Silver birch    | 4          | 1.5              | 1.5 | 1.5 | 1.5 | 1 N                            | 1               | 5          | 50             | 50  | 40  | 45  | 30 | 1.18            | 4                | EM                           | G                          | Multi stem from ground level. Of fine arb merit  | Lift low limbs on northern aspect to provide 3m clearance ground level   | >40                            | B1                  | RET      |
| 9002          |         | Horse chestnut  | 17         | 6                | 6   | 7   | 4   | 2 N                            | 2               | 1          | 1070           |     |     |     |    | 12.84           | 518              | V                            | P                          | Severe crown decline with distal dieback throughout, low vitality and chlorotic foliage. Major stem failure on east side at 2m reveals decay caused by Ganoderma australe, with FFB's also present at ground level.  | Heavy crown reduction by 3 to 4 metres (dependent upon best pruning opportunities).  | 10+                            | C3                  | RET      |
| 9003          |         | Pedunculate oak | 16         | 6                | 6   | 4   | 5   | 3 w                            | 4               | 2          | 760            | 340 |     |     |    | 10.00           | 314              | V                            | F                          | Evidence of soil level changes at root base. Longitudinal strip of decay on south side from top to 8m, likely caused by historic lightening strike. Associated dead branches and cavities providing dry habitat spaces   | Remove deadwood. Reduce over extended laterals on northern and southern aspect by up to 2m to retain crown profile   | >40                            | B3                  | RET      |
| 9004          |         | Pedunculate oak | 17         | 6                | 5   | 3   | 4   | 2 S                            | 3               | 1          | 870            |     |     |     |    | 10.44           | 342              | M                            | F                          | Evidence of soil level change. Large buttress formation on western aspect. Cavity present on eastern aspect at ground level, not of structural significance at present. Large deadwood throughout canopy, tree of good arb merit   | Remove deadwood  | >40                            | B1                  | RET      |
| 9005          |         | Pedunculate oak | 7          | 3                | 3   | 3   | 2   | 4 S                            | 4               | 1          | 630            |     |     |     |    | 7.56            | 179              | OM                           | D                          | Standing deadwood  | Retain for ecological purposes. If land use changes, reassess  | <10                            | U                   | U        |
| 9006          |         | Pedunculate oak | 10         | 3                | 4   | 4   | 3   | 1 W                            | 3               | 1          | 720            |     |     |     |    | 8.64            | 234              | M                            | F                          | Unable to obtain physical access due to dense blackthorn, hawthorn and nettle undergrowth. Ivy clad from ground level to within canopy. Of fine arb merit  | No works required at present   | >40                            | B1                  | RET      |
| 9007          |         | Field maple     | 10         | 4                | 3   | 2   | 4   | 2 E                            | 3               | 3          | 540            | 260 | 120 |     |    | 7.34            | 169              | M                            | F                          | Growing on bank incline. Deadwood within canopy to south over scrubland.   | No works required at present   | >40                            | C1                  | RET      |
| 9008          |         | Field maple     | 10         | 4                | 3   | 4   | 2   | 2 E                            | 3               | 4          | 470            | 480 | 260 | 140 |    | 8.81            | 244              | M                            | F                          | Growing on bank incline. Multi stem from ground level. Of little arb merit   | No works required at present   | >40                            | C1                  | RET      |
| 9009          |         | Pedunculate oak | 14         | 5                | 4   | 5   | 6   | 4 NE                           | 5               | 1          | 670            |     |     |     |    | 8.04            | 203              | M                            | F                          | No obvious visual defects at base. Deadwood throughout. Tree of fine arb merit   | Remove deadwood over path to north   | >40                            | B1                  | RET      |
| 9010          |         | Pedunculate oak | 15         | 5                | 4   | 2   | 2   | 2 W                            | 3               | 1          | 830            |     |     |     |    | 9.96            | 311              | M                            | F                          | Growing on bank incline. Prominent display of buttress roots. Prolific ivy growth from ground level. Deadwood present throughout canopy. Tree of good arb merit.   | Sever Ivy by removal of 1m section from ground level. Remove deadwood over road to north. Crown raise low laterals to north to provide 3m clearance from ground level. | >40                            | B1                  | RET      |
| 9011          |         | Ash             | 16         | 7                | 1.5 | 4   | 1.5 | 4 W                            | 3               | 2          | 320            | 290 |     |     |    | 5.19            | 85               | M                            | F                          | Growing on bank incline. Twin stem from ground level. Asymmetrical canopy to north. Deadwood throughout  | Remove deadwood. Lift canopy to provide 3m clearance over path   | >40                            | B1                  | RET      |
| 9012          |         | Pedunculate oak | 15         | 6                | 3   | 4   | 7   | 5 W                            | 8               | 1          | 570            |     |     |     |    | 6.84            | 147              | M                            | G                          | No obvious visual defects at ground level. 1x broken hanging limb in canopy. Deadwood throughout. Historic limb loss within crown exposing heartwood from central stem, no callus formation present.   | Remove hanging limb. Reduce identified central stem with historic wounding back to a suitable growth point.  | >40                            | B1                  | RET      |
| 9013          |         | Hawthorn        | 4          | 3                | 3   | 2   | 2   | 1 E                            | 1               | 1          | 290            |     |     |     |    | 3.48            | 38               | M                            | F                          | Scrubby in form, of little arb merit   | No works required at present   | 20+                            | C1                  | RET      |
| 9014          |         | Pedunculate oak | 16         | 7                | 5   | 5   | 4   | 5 N                            | 7               | 1          | 870            |     |     |     |    | 10.44           | 342              | M                            | F                          | Evidence if decay to buttress root on western aspect. Decay appears localised and extends approx 1m up. Deadwood throughout canopy. Dieback present within crown extremities. Located within woodland approx 10m from main path in site, not thought to be of significance at present.   | No works required at present   | >40                            | B1                  | RET      |
| 9015          |         | Pedunculate oak | 8          | 2                | 4   | 1   | 5   | 1 E                            | 2               | 1          | 620            |     |     |     |    | 7.44            | 174              | V                            | F                          | X2 standing stems from 2m above ground, reduced to 5m in height. Eastern stem dead and decayed, western stem with live growth.   | Retain for ecological purposes. If land use changes, reassess  | 20+                            | C3                  | RET      |
| 9016          |         | Pedunculate oak | 17         | 7                | 6   | 7   | 5   | 7 N                            | 10              | 1          | 590            |     |     |     |    | 7.08            | 157              | M                            | F                          | Visual assessment of basal condition obscured by dense bramble undergrowth. Large deadwood over path to north. Sparse crown  | Remove deadwood over road to north   | >40                            | B1                  | RET      |
| 9017          |         | Pedunculate oak | 16         | 7                | 4   | 4   | 2   | 4 W                            | 3               | 1          | 770            |     |     |     |    | 9.24            | 268              | V                            | F                          | Growing on bank incline. Some deadwood present over path to north. Large cavities x2 on eastern aspect at 4.5m, largely occluded over surface but providing dry habitat space  | Remove deadwood over path to north. Reduce back identified limb on northern aspect by 4m to alleviate end weight   | >40                            | B3                  | RET      |
| 9018          |         | Field maple     | 6          | 4                | 3   | 3   | 3   | 1 N                            | 1               | 1          | 520            |     |     |     |    | 6.24            | 122              | OM                           | F                          | Ivy clad. Bark delamination and evidence of decay on northern aspect of main stem at ground level. Sounding mallet reveals decay extends the full circumference internally of the main stem.   | Retain for ecological purposes. If land use changes, reassess  | <10                            | U                   | U        |
| 9019          |         | Ash             | 15         | 5                | 2   | 5   | 3   | 5 E                            | 4               | 1          | 505            |     |     |     |    | 6.06            | 115              | M                            | F                          | Ivy clad stem obscuring full visual assessment of structural condition. Dieback and deadwood within crown  | Sever Ivy by removal of 1m section from ground level. Remove deadwood over path to north   | 20+                            | B1                  | RET      |
| 9020          |         | Pedunculate oak | 9          | 2                | 3   | 2   | 3   | 5 E                            | 5               | 1          | 440            |     |     |     |    | 5.28            | 88               | EM                           | P                          | Ivy clad, obscuring visual inspection of structural condition. Foliage sparse  | Remove to ground level   | <10                            | U                   | U        |
| 9021          |         | Ash             | 11         | 8                | 4   | 3   | 3   | 2 N                            | 3               | 1          | 690            |     |     |     |    | 8.28            | 215              | OM                           | P                          | In severe decline. Large amounts of dead material. Presence of Daldinia confragosa throughout on dead stems  | Remove to ground level   | <10                            | U                   | U        |
| 9022          |         | Pedunculate oak | 12         | 4                | 3   | 4   | 4   | 5 NE                           | 5               | 1          | 720            |     |     |     |    | 8.64            | 234              | M                            | F                          | Physical access unobtainable due to dense undergrowth, also inhibiting visual assessment of structural integrity. Ivy clad from ground level. Large deadwood throughout over path and field. Of fine arb merit   | Sever Ivy by removal of 1m section from ground level. Remove deadwood within crown   | 20+                            | B1                  | RET      |
| 9023          |         | Pedunculate oak | 13         | 6                | 6   | 5   | 6   | 4 E                            | 5               | 1          | 750            |     |     |     |    | 9.00            | 254              | V                            | F                          | Physical access unobtainable due to dense undergrowth, also inhibiting visual assessment of structural integrity. Ivy clad from ground level. Large deadwood throughout over path and field. Cavity on east at 5m at base of short branch, with cavity also present at truncated end of branch. Cavity likely to have coalesced through branch. Veteran tree | Sever Ivy by removal of 1m section from ground level. Remove small deadwood within crown, stabilise large deadwood   | 20+                            | B3                  | RET      |
| 9024          |         | Pedunculate oak | 14         | 7                | 8   | 7   | 6   | 2 E                            | 3               | 1          | 800            |     |     |     |    | 9.60            | 289              | M                            | F                          | Physical access unobtainable due to dense undergrowth, also inhibiting visual assessment of structural integrity. Ivy clad from ground level. Large deadwood throughout over path and field. Habitat hole on western aspect at approx 6m above ground. Of fine arb merit   | Sever Ivy by removal of 1m section from ground level. Remove deadwood within crown   | 20+                            | B1                  | RET      |
| 9025          |         | Ash             | 14         | 4                | 5   | 1   | 2   | 4 N                            | 4               | 3          | 420            | 300 | 350 |     |    | 7.49            | 176              | M                            | P                          | In severe decline. Large quantity of moribund material. Presence of Inonotus hispidus  | Remove to ground level   | <10                            | U                   | U        |
| 9026          |         | Pedunculate oak | 12         | 8                | 4   | 6   | 4   | 3 N                            | 4               | 1          | 790            |     |     |     |    | 9.48            | 282              | M                            | F                          | Ivy clad, hindering full visual inspection. Large deadwood within crown. Of fine arb merit   | Remove deadwood over bench to west. Sever Ivy by removal of 1m section from ground level   | 20+                            | B1                  | RET      |
| 9027          |         | Pedunculate oak | 14         | 5                | 4   | 5   | 5   | 6 S                            | 6               | 1          | 580            |     |     |     |    | 6.96            | 152              | M                            | P                          | Exposed heartwood decay within central stem from ground level extending approx. 6m up. Large quantity of deadwood throughout   | Reduce height to shorten fall radius so it cannot reach track to south   | <10                            | U                   | U        |
| 9028          |         | Pedunculate oak | 15         | 6                | 5   | 5   | 7   | 3 E                            | 2               | 1          | 630            |     |     |     |    | 7.56            | 179              | M                            | F                          | Deadwood within crown, located inside woodland. Not thought to be of significance at present. Of fine arb merit  | No works required at present   | >40                            | B1                  | RET      |
| 9029          |         | Apple           | 5          | 2                | 3   | 2   | 2   | 2 S                            | 2               | 1          | 220            |     |     |     |    | 2.64            | 22               | M                            | F                          | Physical access unobtainable and visual assessment of structural condition in obscured by dense undergrowth. No obvious visual defects   | No works required at present   | 20+                            | C1                  | RET      |
| 9030          |         | Pedunculate oak | 10         | 4                | 1   | 3   | 4   | 2 W                            | 3               | 1          | 360            |     |     |     |    | 4.32            | 59               | EM                           | F                          | Physical access unobtainable and visual assessment of structural condition in obscured by dense undergrowth. No obvious visual defects. Asymmetrical canopy to north   | No works required at present   | >40                            | B1                  | RET      |
| 9031          |         | Silver birch    | 9          | 1                | 4   | 4   | 3   | 2 E                            | 2               | 1          | 410            |     |     |     |    | 4.92            | 76               | M                            | P                          | Large quantity of dead material. In declining health   | No works required at present   | <10                            | U                   | U        |
| 9032          |         | Aspen           | 7          | 4                | 3   | 4   | 3   | 3 N                            | 3               | 1          | 300            |     |     |     |    | 3.60            | 41               | EM                           | P                          | Physical access unobtainable. Tree in decline  | No works required at present   | <10                            | U                   | U        |
| 9033          |         | Aspen           | 11         | 4                | 4   | 4   | 4   | 6 W                            | 8               | 2          | 460            | 380 |     |     |    | 7.16            | 161              | M                            | F                          | Twin stem from ground level. Physical access unobtainable. Deadwood within canopy located in woodland, not thought to be of significance at present  | No works required at present   | 20+                            | B1                  | RET      |

| FLAC Ref. No. | TPO Ref | Species         | Ht.<br>(m) | Crown Spread (m) |   |   |   | Ht. 1 <sup>st</sup> Br.<br>(m) | Ht. Can.<br>(m) | Stem Count | Stem Dia. (mm) |     |     |   |   | RPA Rad.<br>(m) | RPA Area<br>(m2) | Life Stage<br>Y-SM-EM-M-OM-V | Phys. Condition<br>G-F-P-D | Structural condition & Notes  | Management recommendations  | Ret. Span<br><10, 10+ 20+, >40 | QV Grade<br>U-A-B-C | Proposal |
|---------------|---------|-----------------|------------|------------------|---|---|---|--------------------------------|-----------------|------------|----------------|-----|-----|---|---|-----------------|------------------|------------------------------|----------------------------|---|---|--------------------------------|---------------------|----------|
|               |         |                 |            | N                | S | W | E |                                |                 |            | 1 / mean       | 2   | 3   | 4 | 5 |                 |                  |                              |                            |   |   |                                |                     |          |
| 9034          |         | Pedunculate oak | 6          | 1                | 3 | 0 | 4 | 5 E                            | 4               | 1          | 240            |     |     |   |   | 2.88            | 26               | EM                           | F                          | Physical access unobtainable. Supressed, asymmetrical growth. Of little arb merit   | No works required at present  | 20+                            | C1                  | RET      |
| 9035          |         | Aspen           | 11         | 3                | 3 | 4 | 2 | 3 W                            | 4               | 1          | 320            |     |     |   |   | 3.84            | 46               | EM                           | F                          | Physical access unobtainable. Supressed, asymmetrical growth. Of little arb merit   | No works required at present  | 20+                            | C1                  | RET      |
| 9036          |         | Pedunculate oak | 16         | 7                | 4 | 5 | 6 | 4 E                            | 5               | 1          | 720            |     |     |   |   | 8.64            | 234              | M                            | F                          | Located within woodland. No obvious visual defects to the stem. Deadwood located within woodland, not thought to be of significance at present. Tree of good merit  | No works required at present  | >40                            | B1                  | RET      |
| 9037          |         | Pedunculate oak | 11         | 3                | 4 | 1 | 4 | 3 N                            | 4               | 1          | 350            |     |     |   |   | 4.20            | 55               | EM                           | F                          | Located within woodland. No obvious visual defects to the stem. Deadwood located within woodland, not thought to be of significance at present. Asymmetrical growth form to east.   | No works required at present  | >40                            | C1                  | RET      |
| 9038          |         | Pedunculate oak | 10         | 3                | 3 | 1 | 4 | 3 E                            | 4               | 1          | 260            |     |     |   |   | 3.12            | 31               | EM                           | F                          | Located within woodland. No obvious visual defects to the stem. Deadwood located within woodland, not thought to be of significance at present. Asymmetrical growth form to east.   | No works required at present  | >40                            | C1                  | RET      |
| 9039          |         | Sweet chestnut  | 15         | 5                | 3 | 5 | 4 | 2 N                            | 1               | 2          | 560            | 580 |     |   |   | 9.68            | 294              | M                            | F                          | Located within woodland. No obvious visual defects to the stem. Deadwood located within woodland, not thought to be of significance at present. Asymmetrical growth form to north.  | No works required at present  | >40                            | B1                  | RET      |
| 9040          |         | Silver birch    | 9          | 1                | 1 | 1 | 5 | 2 E                            | 4               | 1          | 320            |     |     |   |   | 3.84            | 46               | M                            | P                          | In decline. Large quantity of moribund material   | No works required at present  | <10                            | U                   | U        |
| 9041          |         | Holly           | 11         | 2                | 6 | 3 | 2 | 2 N                            | 1               | 1          | 410            |     |     |   |   | 4.92            | 76               | M                            | F                          | Evidence of ground disturbance in rooting zone, leading to root plate heave. Asymmetrical form and incline to south.  | No works required at present  | <10                            | U                   | U        |
| 9042          |         | Ash             | 14         | 2                | 6 | 5 | 6 | 2 S                            | 2               | 2          | 450            | 390 |     |   |   | 7.15            | 161              | V                            | F                          | Evidence of ground disturbance at rooting zone. Tree inclines to south with asymmetrical crown. Bifurcation at 1m. Largely occluded surface tear out wound with each likely beneath, on west aspect 2m - 5m. Open cavity at top of wound with likely ecological value. Deadwood present within canopy. Veteran tree | Remove deadwood in southern aspect over field   | >40                            | C3                  | RET      |
| 9043          |         | Pedunculate oak | 13         | 5                | 4 | 5 | 6 | 4 S                            | 4               | 1          | 700            |     |     |   |   | 8.40            | 222              | V                            | F                          | Longitudinal strip of decay and dead wood with diameters >150mm. Deadwood throughout, not thought to be of significance as located within woodland. Canopy sparse. Of fair arb merit  | No works required at present  | 20+                            | B3                  | RET      |
| 9044          |         | Hawthorn        | 5          | 1                | 3 | 1 | 2 | 3 S                            | 3               | 1          | 260            |     |     |   |   | 3.12            | 31               | M                            | F                          | Woodland edge. Of little arb merit  | No works required at present  | 10+                            | C1                  | RET      |
| 9045          |         | Hazel           | 3          | 0                | 4 | 1 | 1 | 1 S                            | 1               | 3          | 80             | 90  | 70  |   |   | 1.68            | 9                | EM                           | D                          | Dead/ dying   | No works required at present  | <10                            | U                   | U        |
| 9046          |         | Field maple     | 10         | 3                | 4 | 5 | 4 | 3 S                            | 2               | 2          | 320            | 435 |     |   |   | 6.49            | 132              | M                            | F                          | Deadwood present located within woodland, not of significance at present. Of fine arb merit   | No works required at present  | 20+                            | B1                  | RET      |
| 9047          |         | Ash             | 14         | 1                | 6 | 6 | 4 | 5 W                            | 4               | 3          | 520            | 210 | 170 |   |   | 7.04            | 156              | V                            | P                          | Hollowing present within main stem at ground level. Bottle butt base with three open cavities on different side, potentially from past management. Ivy clad. Dieback evident throughout crown   | No works required at present  | <10                            | U                   | U        |
| 9048          |         | Pedunculate oak | 14         | 5                | 5 | 3 | 7 | 3 S                            | 4               | 1          | 1060           |     |     |   |   | 12.72           | 508              | V                            | F                          | Frequent cavities in crown. Large deadwood present of up to 300mm diameter, not thought to be of significance at present. Of good arb merit   | No works required at present  | >40                            | B1                  | RET      |
| 9049          |         | Cherry          | 10         | 6                | 0 | 4 | 3 | 1 N                            | 1               | 1          | 240            |     |     |   |   | 2.88            | 26               | M                            | F                          | Growing from bank incline. Ivy clad. Heavy incline to north with asymmetrical canopy. Structural condition unknown due to prolific ivy. Of little arb merit   | No works required at present  | 20+                            | C1                  | RET      |
| 9050          |         | Pedunculate oak | 15         | 8                | 6 | 6 | 4 | 4 N                            | 6               | 2          | 450            | 480 |     |   |   | 7.90            | 196              | M                            | F                          | Twin stem from 1m. Union appears sound. Ivy clad. Large deadwood present, located over ditch, not of significance at present.   | Sever Ivy by removal of 1m section from ground level  | >40                            | B1                  | RET      |
| 9051          |         | Pedunculate oak | 12         | 8                | 8 | 6 | 4 | 3 N                            | 3               | 1          | 690            |     |     |   |   | 8.28            | 215              | M                            | F                          | No obvious defects from ground level. Bifurcates at approx 2m, union appears sound. Dieback and deadwood present within crown. Deadwood not thought to be of significance due to location over ditch.   | No works required at present  | 20+                            | C1                  | RET      |
| 9052          |         | Pedunculate oak | 15         | 4                | 3 | 4 | 4 | 8 N                            | 7               | 1          | 520            |     |     |   |   | 6.24            | 122              | M                            | F                          | Psychical access unobtainable. Ivy clad. Some dieback present throughout crown . Of fine arb merit  | Sever Ivy by removal of 1m band from ground level   | >40                            | B1                  | RET      |
| 9053          |         | Hazel           | 4          | 4                | 1 | 2 | 2 | 1 N                            | 1               | 3          | 100            | 110 | 100 |   |   | 2.15            | 15               | M                            | P                          | Large quantity of deadwood present. Of low arb merit  | No works required at present  | <10                            | U                   | U        |
| 9054          |         | Pedunculate oak | 15         | 7                | 1 | 5 | 3 | 3 N                            | 6               | 1          | 730            |     |     |   |   | 8.76            | 241              | V                            | P                          | Physical access unobtainable. Tree is 50% deadwood. Ivy clad. Habitat holes present on dead stem.   | Remove small deadwood <50mm. Reduce and stabilise larger deadwood by retaining 1-2m lengths   | <10                            | U                   | U        |
| 9055          |         | Pedunculate oak | 11         | 3                | 3 | 2 | 1 | 6 S                            | 7               | 1          | 270            |     |     |   |   | 3.24            | 33               | EM                           | F                          | Physical access unobtainable. Ivy clad. Tree of good arb merit  | Sever Ivy by removal of 1m section  | >40                            | B1                  | RET      |
| 9056          |         | Pedunculate oak | 13         | 3                | 3 | 3 | 3 | 3 W                            | 3               | 1          | 360            |     |     |   |   | 4.32            | 59               | EM                           | F                          | Physical access unobtainable. Ivy clad. Tree of good arb merit  | Sever Ivy by removal of 1m section from ground level  | >40                            | B1                  | RET      |
| 9057          |         | Pedunculate oak | 15         | 7                | 3 | 6 | 2 | 4 N                            | 4               | 1          | 520            |     |     |   |   | 6.24            | 122              | M                            | F                          | Physical access unobtainable. Ivy clad. Large deadwood present.   | Sever Ivy. Remove deadwood. Crown raise over field to provide 6m clearance from ground level. | >40                            | B1                  | RET      |
| 9058          |         | Pedunculate oak | 11         | 5                | 1 | 3 | 4 | 2 N                            | 1               | 1          | 510            |     |     |   |   | 6.12            | 118              | V                            | P                          | Physical access unobtainable. Large size deadwood, bark loss from bark loss from 3-7m on east side. Major cavity at base of low lateral branch on E side, hosting active homets nest  | Retain for ecological purposes. If land use changes, reassess                                 | 10+                            | C3                  | RET      |
| 9059          |         | Pedunculate oak | 14         | 6                | 3 | 4 | 2 | 3 N                            | 7               | 1          | 490            |     |     |   |   | 5.88            | 109              | M                            | P                          | Physical access unobtainable. High quantity of large deadwood present. Tree is in decline   | Reduce height to shorten fall radius so it cannot reach footpath to south-west                | 10+                            | U                   | U        |
| 9060          |         | Pedunculate oak | 11         | 6                | 4 | 5 | 8 | 3 N                            | 6               | 1          | 560            |     |     |   |   | 6.72            | 142              | M                            | F                          | Physical access unobtainable. Multi stemmed from approx 2m above ground. Sprawling form, of fine arb merit  | No works required at present  | >40                            | B1                  | RET      |
| 9061          |         | Hawthorn        | 3          | 2                | 1 | 2 | 1 | 1                              | 1               | 1          | 140            |     |     |   |   | 1.68            | 9                | EM                           | F                          | Physical access unobtainable. Of little arb merit   | No works required at present  | 20+                            | C1                  | RET      |
| 9062          |         | Pedunculate oak | 13         | 5                | 5 | 6 | 4 | 4 S                            | 3               | 1          | 680            |     |     |   |   | 8.16            | 209              | M                            | F                          | Growing from embankment. Sprawling crown with some deadwood present. Evidence of being poorly pruned historically . No obvious visual structural defects. Of fair arb merit   | Remove deadwood   | >40                            | B1                  | RET      |
| 9063          |         | Pedunculate oak | 10         | 5                | 0 | 3 | 2 | 1 W                            | 5               | 1          | 620            |     |     |   |   | 7.44            | 174              | OM                           | D                          | Standing dead tree  | Reduce height to shorten fall radius so it cannot reach footpath to south-west                | <10                            | U                   | U        |
| 9064          |         | Pedunculate oak | 20         | 6                | 6 | 5 | 8 | 4 N                            | 6               | 3          | 530            | 520 | 320 |   |   | 9.71            | 296              | M                            | F                          | Trifurcates at 1m above ground. Natural brace formed above union. Unions appear sound at present. No obvious visual defects. Tree of good arb merit.  | No works required at present  | >40                            | A1                  | RET      |
| 9065          |         | Pedunculate oak | 16         | 6                | 5 | 7 | 7 | 3 S                            | 5               | 1          | 610            |     |     |   |   | 7.32            | 168              | M                            | F                          | Ivy clad, obscuring full visual assessment of basal and stem condition. Growing from embankment. Deadwood present throughout canopy. Of fine arb merit  | Sever Ivy. Remove deadwood  | >40                            | B1                  | RET      |
| 9066          |         | Field maple     | 6          | 4                | 0 | 3 | 2 | 4 N                            | 4               | 1          | 250            |     |     |   |   | 3.00            | 28               | M                            | D                          | Physical access unobtainable. Ivy clad dead tree within dense shrub growth.   | No works required at present  | <10                            | U                   | REM      |
| 9067          |         | Field maple     | 8          | 6                | 2 | 2 | 4 | 2 S                            | 6               | 2          | 200            | 200 |     |   |   | 3.40            | 36               | M                            | P                          | Physical access unobtainable. Dense shrub understory. Large deadwood within crown. Of little arb merit  | No works required at present  | 20+                            | C1                  | RET      |
| 9068          |         | Pedunculate oak | 10         | 3                | 3 | 4 | 5 | 4 E                            | 3               | 1          | 410            |     |     |   |   | 4.92            | 76               | EM                           | F                          | No obvious visual defects from ground level. Tree of fair arb merit   | No works required at present  | >40                            | B1                  | RET      |
| 9069          |         | Pedunculate oak | 7          | 4                | 0 | 2 | 2 | 2 N                            | 3               | 1          | 320            |     |     |   |   | 3.84            | 46               | EM                           | P                          | Physical access unobtainable. Dense shrub understory . Large deadwood within crown. Of little arb merit   | Monoxyle to 4m to retain for ecological purposes  | <10                            | U                   | U        |
| 9070          |         | Black thorn     | 6          | 4                | 0 | 3 | 2 | 1 N                            | 1               | 1          | 230            |     |     |   |   | 2.76            | 24               | EM                           | P                          | Physical access unobtainable. Predominately dead  | No works required at present  | <10                            | U                   | REM      |
| 9071          |         | Pedunculate oak | 9          | 4                | 1 | 2 | 3 | 2 N                            | 2               | 1          | 440            |     |     |   |   | 5.28            | 88               | V                            | P                          | Physical access unobtainable. Ivy clad. Large sized deadwood. Large decaying stubs. Veteran tree  | Monoxyle to 4m to retain for ecological purposes  | <10                            | U                   | U        |
| 9072          |         | Pedunculate oak | 6          | 6                | 3 | 4 | 2 | 3 N                            | 2               | 1          | 400            |     |     |   |   | 4.80            | 72               | EM                           | F                          | Physical access unobtainable , Ivy clad stem. Deadwood within crown in northern aspect over field. Of fair arb merit  | Sever Ivy. Remove deadwood. Lift northern aspect to provide 3m clearance from ground          | >40                            | B1                  | RET      |
| 9073          |         | Pedunculate oak | 5          | 4                | 2 | 3 | 1 | 2 N                            | 2               | 1          | 290            |     |     |   |   | 3.48            | 38               | EM                           | F                          | Physical access unobtainable. Ivy clad. Little arb merit  | Sever Ivy. Raise northern aspect to provide 3m clearance from ground level                    | 20+                            | C1                  | RET      |
| 9074          |         | Pedunculate oak | 6          | 10               | 0 | 5 | 5 | 2 N                            | 2               | 2          | 490            | 450 |     |   |   | 7.99            | 200              | M                            | F                          | Physical access unobtainable. Growing from embankment. severe incline to north and asymmetrical canopy. Twin stem from ground level. Of little arb merit  | No works required at present  | 10+                            | C1                  | RET      |
| 9075          |         | Pedunculate oak | 17         | 7                | 6 | 7 | 6 | 4 E                            | 3               | 1          | 670            |     |     |   |   | 8.04            | 203              | M                            | F                          | Physical access unobtainable. Ivy clad stem prohibiting full visual assessment. Sprawling canopy form. Deadwood present throughout canopy. Of fine arb merit  | Sever Ivy. Raise northern aspect to provide 3m clearance from ground level. Remove deadwood   | >40                            | B1                  | RET      |

| FLAC Ref. No. | TPO Ref | Species         | Ht.<br><br>(m) | Crown Spread (m) |   |   |   | Ht. 1 <sup>st</sup> Br.<br><br>(m) | Ht. Can.<br><br>(m) | Stem Count | Stem Dia. (mm) |     |     |   |   | RPA Rad.<br><br>(m) | RPA Area<br><br>(m2) | Life Stage<br><br>Y-SM-EM-M-OM-V | Phys. Condition<br><br>G-F-P-D | Structural condition & Notes   | Management recommendations   | Ret. Span<br><br><10, 10+ 20+, >40 | QV Grade<br><br>U-A-B-C | Proposal |
|---------------|---------|-----------------|----------------|------------------|---|---|---|------------------------------------|---------------------|------------|----------------|-----|-----|---|---|---------------------|----------------------|----------------------------------|--------------------------------|--|--|------------------------------------|-------------------------|----------|
|               |         |                 |                | N                | S | W | E |                                    |                     |            | 1 / mean       | 2   | 3   | 4 | 5 |                     |                      |                                  |                                |  |  |                                    |                         |          |
| 9076          |         | Pedunculate oak | 17             | 7                | 5 | 6 | 6 | 3 N                                | 3                   | 1          | 610            |     |     |   |   | 7.32                | 168                  | M                                | F                              | Physical access unobtainable. Slightly sparse foliage throughout canopy. Evidence of being previously poorly pruned. Deadwood throughout crown. Of fine arb merit  | Remove deadwood on northern aspect. Raise low laterals to north over field to provide 3m clearance from ground level | >40                                | B1                      | RET      |
| 9077          |         | Ash             | 15             | 5                | 4 | 3 | 3 | 4 S                                | 4                   | 1          | 390            |     |     |   |   | 4.68                | 69                   | M                                | F                              | Physical access unobtainable. Ivy clad stem. Tree of fair arb merit  | Sever Ivy  | >40                                | B1                      | RET      |
| 9078          |         | Ash             | 17             | 6                | 4 | 3 | 4 | 3 E                                | 4                   | 1          | 450            |     |     |   |   | 5.40                | 92                   | M                                | F                              | Physical access and visual assessment unobtainable, prolific ivy growth. Of fine arb merit   | Sever Ivy  | >40                                | B1                      | RET      |
| 9079          |         | Ash             | 13             | 3                | 3 | 3 | 3 | 3 W                                | 3                   | 1          | 340            |     |     |   |   | 4.08                | 52                   | EM                               | F                              | Physical access and visual assessment unobtainable, prolific ivy growth. Of fine arb merit   | Sever Ivy  | >40                                | B1                      | RET      |
| 9080          |         | Pedunculate oak | 14             | 3                | 4 | 4 | 2 | 5 W                                | 6                   | 1          | 300            |     |     |   |   | 3.60                | 41                   | EM                               | F                              | Physical access and visual assessment unobtainable, due to ivy growth. Deadwood present over field to west   | Remove deadwood on western aspect  | >40                                | B1                      | RET      |
| 9081          |         | Ash             | 14             | 4                | 4 | 4 | 5 | 3 E                                | 2                   | 1          | 540            |     |     |   |   | 6.48                | 132                  | M                                | F                              | Physical access and visual assessment unobtainable, prolific ivy growth. Low laterals over field to west. Of fine arb merit  | Sever Ivy. Raise western aspect to provide 3m clearance from ground  | >40                                | B1                      | RET      |
| 9082          |         | Ash             | 15             | 2                | 2 | 4 | 4 | 3 W                                | 5                   | 2          | 380            | 390 |     |   |   | 6.54                | 134                  | M                                | F                              | Physical access and visual assessment unobtainable, prolific ivy growth. Multi stem from approx 2.5m. Of fine arb merit  | Sever Ivy  | >40                                | B1                      | RET      |
| 9083          |         | Ash             | 16             | 4                | 2 | 5 | 6 | 5 W                                | 2                   | 2          | 450            | 400 |     |   |   | 7.23                | 164                  | M                                | F                              | Physical access and visual assessment unobtainable, prolific ivy growth. Deadwood throughout crown. Low laterals on western aspect. Of fine arb merit  | Sever Ivy. Remove deadwood. Raise western aspect to provide 3m clearance   | >40                                | B1                      | RET      |
| 9084          |         | Ash             | 14             | 6                | 4 | 6 | 5 | 3 W                                | 2                   | 3          | 220            | 300 | 270 |   |   | 5.52                | 96                   | M                                | F                              | Located in private garden. Bifurcates at 0.5m. Deadwood throughout crown. Low laterals on western aspect   | Remove deadwood. Raise western aspect to provide 3m clearance  | >40                                | B1                      | RET      |
| 9085          |         | Ash             | 17             | 5                | 3 | 6 | 5 | 1 N                                | 2                   | 3          | 500            | 300 | 250 |   |   | 7.62                | 182                  | M                                | F                              | Located in private garden. Ivy growth prolific obscuring visual assessment. Low laterals on western aspect. Of fine arb merit  | Sever Ivy. Lift western aspect to provide 3m clearance   | >40                                | B1                      | RET      |
| 9086          |         | Hawthorn        | 6              | 4                | 4 | 3 | 4 | 3 N                                | 2                   | 3          | 290            | 370 | 240 |   |   | 6.34                | 126                  | M                                | F                              | Located in private garden. Of fine arb merit   | No works required at present   | 20+                                | B1                      | RET      |
| 9087          |         | Ash             | 18             | 4                | 4 | 6 | 4 | 3 E                                | 2                   | 1          | 480            |     |     |   |   | 5.76                | 104                  | M                                | F                              | Located in private garden. Deadwood present throughout. Low laterals on western aspect. Of fine arb merit  | Remove deadwood. Lift western aspect to provide 3m clearance   | >40                                | B1                      | RET      |
| 9088          |         | Crack willow    | 7              | 4                | 4 | 1 | 2 | 2 S                                | 2                   | 1          | 750            |     |     |   |   | 9.00                | 254                  | V                                | D                              | Located in private garden. Standing dead tree. Major hollowing in stem. Tree is propped and is likely unstable.  | No works required at present   | <10                                | U                       | U        |
| 9089          |         | Pedunculate oak | 10             | 5                | 3 | 4 | 2 | 5 W                                | 6                   | 1          | 350            |     |     |   |   | 4.20                | 55                   | EM                               | F                              | Physical access unobtainable and visual assessment hindered by dense understory. No obvious defects observed. Of fine arb merit  | No works required at present   | >40                                | B1                      | RET      |
| 9090          |         | Douglas fir     | 16             | 4                | 4 | 4 | 4 | 1 S                                | 1                   | 1          | 410            |     |     |   |   | 4.92                | 76                   | EM                               | F                              | No obvious defects observed from ground level. Low western laterals encroaching into field. Of fine arb merit  | No works required at present   | >40                                | B1                      | RET      |
| 9091          |         | Pedunculate oak | 16             | 7                | 5 | 4 | 5 | 1 N                                | 4                   | 1          | 480            |     |     |   |   | 5.76                | 104                  | M                                | F                              | Physical access unobtainable. Ivy clad bus ring full visual assessment. Roadside oak of good arb merit   | No works required at present   | >40                                | B1                      | RET      |
| 9092          |         | Robinia         | 17             | 7                | 5 | 4 | 4 | 3 N                                | 5                   | 1          | 720            |     |     |   |   | 8.64                | 234                  | V                                | F                              | Physical access unobtainable. Dense ivy growth obscuring full visual assessment. Significant retrenchment on east side of crown with large size dead, primary scaffold structure. Veteran tree   | Sever Ivy. Remove deadwood   | 20+                                | B3                      | RET      |
| 9093          |         | False acacia    | 17             | 8                | 6 | 4 | 4 | 3 N                                | 3                   | 1          | 880            |     |     |   |   | 10.56               | 350                  | V                                | P                              | Physical access unobtainable. Dense ivy growth obscuring full visual assessment. Primary crown structure is dead and tree is retrenching with vigorous secondary growth, having developed in lower crown from epicormic regrowth. Veteran tree | Sever Ivy. Shorten deadwood by 50% due to roadside location  | <10                                | C3                      | RET      |
| 9094          |         | Ash             | 10             | 3                | 1 | 2 | 2 | 2 N                                | 6                   | 1          | 380            |     |     |   |   | 4.56                | 65                   | M                                | P                              | Historically twin stem from ground level, second stem has been removed. Tree is clad heavily in ivy with a sparse crown. Of little arb merit   | Sever Ivy  | 20+                                | C1                      | RET      |
| 9095          |         | Pedunculate oak | 9              | 3                | 6 | 6 | 6 | 3 W                                | 2                   | 1          | 540            |     |     |   |   | 6.48                | 132                  | M                                | F                              | Heavily Ivy clad from ground level. Asymmetrical canopy favouring southern aspect. Low canopy to south and west. Ivy obscuring full visual assessment of structural condition  | Sever Ivy from ground level. Raise canopy to 3m  | >40                                | B1                      | RET      |
| 9096          |         | Pedunculate oak | 9              | 4                | 3 | 2 | 5 | 1 S                                | 5                   | 1          | 430            |     |     |   |   | 5.16                | 84                   | V                                | F                              | Physical access unobtainable due to dense undergrowth. Large deadwood within canopy. 2x longitudinal wounds with deep cavities in structural branches, potential bat roost. Visual assessment of basal condition obscured by undergrowth.      | Remove deadwood.   | 20+                                | C3                      | RET      |
| 9097          |         | Pedunculate oak | 11             | 6                | 6 | 5 | 5 | 3 N                                | 4                   | 1          | 670            |     |     |   |   | 8.04                | 203                  | M                                | F                              | Ivy clad from ground level, obscuring full visual assessment of structural condition. Evidence of ground level change at rooting zone. Historic limb removal with no occlusion at 1m. A fine tree  | Sever ivy from ground level  | >40                                | B1                      | RET      |
| 9098          |         | Pedunculate oak | 10             | 5                | 6 | 4 | 4 | 5 N                                | 6                   | 2          | 450            | 310 |     |   |   | 6.56                | 135                  | M                                | F                              | Twin stem from ground level, union appears sound. Ivy clad from ground level. High quantity of deadwood throughout   | Sever Ivy from ground level. Remove deadwood in southern aspect  | >40                                | B1                      | RET      |
| 9099          |         | Hawthorn        | 4              | 2                | 1 | 4 | 1 | 1 W                                | 3                   | 1          | 190            |     |     |   |   | 2.28                | 16                   | M                                | F                              | No obvious defects to note. Of fine arb merit  | No works required at present   | >40                                | B1                      | RET      |
| 9100          |         | Pedunculate oak | 15             | 6                | 6 | 5 | 7 | 7 W                                | 6                   | 1          | 710            |     |     |   |   | 8.52                | 228                  | V                                | F                              | Ivy clad from ground level obscuring full visual inspection. High quantity of large deadwood throughout canopy, up to 250mm diameter. A tree of fine arb merit with a wide spread crown  | Sever Ivy by removal of 1m section from ground level. Remove deadwood  | >40                                | B3                      | RET      |
| 9101          |         | Pedunculate oak | 15             | 8                | 3 | 4 | 8 | 3 E                                | 6                   | 2          | 540            | 310 |     |   |   | 7.48                | 176                  | M                                | F                              | Bacterial exudations on main stem from ground level to approx 4m up. Asymmetrical growth favouring NE. Sparse canopy with high quantity of dieback. Tree is declining  | Remove to ground level   | <10                                | U                       | U        |
| 9102          |         | Pedunculate oak | 16             | 0                | 6 | 6 | 3 | 3 E                                | 6                   | 2          | 480            | 220 |     |   |   | 6.34                | 126                  | M                                | F                              | Asymmetrical growth favouring SE. Deadwood within canopy located over ditch, not of significance at present.   | No works required at present   | >40                                | B1                      | RET      |
| 9103          |         | Pedunculate oak | 14             | 1                | 6 | 7 | 0 | 5 E                                | 6                   | 2          | 620            | 220 |     |   |   | 7.90                | 196                  | M                                | F                              | Twin stem from ground. Asymmetrical crown to east. Dieback within crown extremities. Deadwood present located over ditch. Of little arb merit  | No works required at present   | 20+                                | C1                      | RET      |
| 9104          |         | Ash             | 12             | 2                | 3 | 8 | 1 | 1 S                                | 5                   | 2          | 290            | 270 |     |   |   | 4.76                | 71                   | M                                | P                              | Twin stem from ground. Union appears sound. Heavy incline and canopy favouring eastern aspect. Dieback within crown extremities. Of little arb merit   | No works required at present   | 20+                                | C1                      | RET      |
| 9105          |         | Pedunculate oak | 13             | 4                | 2 | 6 | 1 | 3 E                                | 5                   | 1          | 440            |     |     |   |   | 5.28                | 88                   | M                                | F                              | Bacterial exudations present on main stem at ground level. Large quantity of deadwood within crown, located over ditch, not of significance at present. Asymmetrical canopy to east  | No works required at present   | 20+                                | C1                      | RET      |
| 9106          |         | Ash             | 13             | 4                | 3 | 2 | 8 | 5 N                                | 7                   | 2          | 390            | 330 |     |   |   | 6.14                | 118                  | M                                | F                              | Twin stem from ground. Cavities present in main boling. 1 stem inclines heavily to east. Deadwood present in eastern aspect.   | Remove deadwood in eastern aspect over field.  | 20+                                | C1                      | RET      |
| 9107          |         | Pedunculate oak | 12             | 4                | 4 | 6 | 0 | 6 E                                | 7                   | 1          | 425            |     |     |   |   | 5.10                | 82                   | M                                | F                              | Ivy clad from ground level. Asymmetrical crown to east. Large deadwood present. Tree of little merit   | Sever Ivy. Remove deadwood   | 20+                                | C1                      | RET      |
| 9108          |         | Pedunculate oak | 10             | 2                | 5 | 0 | 6 | 3 S                                | 8                   | 1          | 370            |     |     |   |   | 4.44                | 62                   | M                                | P                              | Cavity on main stem extends from ground to 2m on southern aspect, exposing decaying heart wood. Sounding mallet reveals internal column of decay up to 2m. Tree in declining health with questionable structural stability                     | Remove to ground level   | <10                                | U                       | U        |
| 9109          |         | Pedunculate oak | 16             | 6                | 6 | 4 | 8 | 2 E                                | 5                   | 3          | 500            | 300 | 270 |   |   | 7.72                | 187                  | M                                | F                              | Multi stem from ground. Unions appear sound. Stems incline to east over field. Large quantity of deadwood within eastern aspect. Dieback present throughout crown.   | Remove deadwood from within eastern aspect of crown  | 20+                                | C1                      | RET      |
| 9110          |         | Pedunculate oak | 12             | 0                | 5 | 2 | 7 | 4 E                                | 6                   | 1          | 330            |     |     |   |   | 3.96                | 49                   | EM                               | F                              | Located in private garden. Shares canopy with 9109. Deadwood present in canopy to east   | Remove deadwood  | 20+                                | C1                      | RET      |
| 9111          |         | Pedunculate oak | 13             | 1                | 2 | 3 | 5 | 4 E                                | 2                   | 1          | 340            |     |     |   |   | 4.08                | 52                   | EM                               | F                              | Located in private garden. Asymmetrical canopy to east with low laterals over field.   | Crown raise to 3m on eastern aspect  | >40                                | B1                      | RET      |
| 9112          |         | Pedunculate oak | 13             | 4                | 1 | 3 | 5 | 7 E                                | 7                   | 1          | 340            |     |     |   |   | 4.08                | 52                   | EM                               | F                              | Located in private garden. Visual assessment of basal condition obscured by dense undergrowth. Of drawn, slender form. Of fair arb merit   | No works required at present   | >40                                | B1                      | RET      |
| 9113          |         | Pedunculate oak | 16             | 4                | 8 | 4 | 5 | 4 S                                | 4                   | 1          | 495            |     |     |   |   | 5.94                | 111                  | M                                | F                              | Located in private garden, physical access unobtainable and visual assessment obscured by dense ivy growth. No obvious visual defects. Tree of good arb merit  | Sever ivy from ground level  | >40                                | B1                      | RET      |
| 9114          |         | Pedunculate oak | 10             | 0                | 3 | 3 | 6 | 4 E                                | 3                   | 1          | 290            |     |     |   |   | 3.48                | 38                   | EM                               | F                              | Located in private garden. Physical access and full visual assessment unobtainable dense understory. Asymmetrical crown to east with low laterals over field. Tree of little merit   | Raise crown to 3m on eastern aspect  | >40                                | C1                      | RET      |



| FLAC Ref. No. | TPO Ref | Species         | Ht.<br>(m) | Crown Spread (m) |   |    |   | Ht. 1 <sup>st</sup> Br.<br>(m) | Ht. Can.<br>(m) | Stem Count | Stem Dia. (mm) |     |    |    |    | RPA Rad.<br>(m) | RPA Area<br>(m2) | Life Stage<br><br>Y-S-M-EM-M-OM-V | Phys. Condition<br><br>G-F-P-D | Structural condition & Notes  | Management recommendations   | Ret. Span<br><br><10, 10+ 20+, >40 | QV Grade<br><br>U-A-B-C | Proposal |
|---------------|---------|-----------------|------------|------------------|---|----|---|--------------------------------|-----------------|------------|----------------|-----|----|----|----|-----------------|------------------|-----------------------------------|--------------------------------|---|--|------------------------------------|-------------------------|----------|
|               |         |                 |            | N                | S | W  | E |                                |                 |            | 1/<br>mean     | 2   | 3  | 4  | 5  |                 |                  |                                   |                                |   |  |                                    |                         |          |
| 9115          |         | Pedunculate oak | 15         | 6                | 6 | 4  | 6 | 2 N                            | 1               | 1          | 515            |     |    |    |    | 6.18            | 120              | M                                 | G                              | Located in private garden, physical access unobtainable. No defects to note, a tree of good arb merit   | Raise low laterals on eastern aspect to provide 3m clearance. Remove x1 hanging branch in crown to east  | >40                                | A1                      | RET      |
| 9116          |         | Pedunculate oak | 9          | 0                | 1 | 0  | 7 | 3 E                            | 1               | 1          | 305            |     |    |    |    | 3.66            | 42               | EM                                | F                              | Located in private garden, physical access unobtainable. Crown heavily asymmetrical to the east. Low canopy on eastern aspect over field. Tree of little arb merit  | Raise crown to 3m on eastern aspect  | 20+                                | C1                      | RET      |
| 9117          |         | Pedunculate oak | 3          | 3                | 3 | 3  | 3 | 1 S                            | 1               | 1          | 220            |     |    |    |    | 2.64            | 22               | SM                                | F                              | Roadside individual, no obvious defects. Of little arb merit  | No works required at present   | >40                                | C1                      | RET      |
| 9118          |         | Pedunculate oak | 17         | 6                | 6 | 8  | 9 | 3 E                            | 2               | 1          | 890            |     |    |    |    | 10.68           | 358              | V                                 | F                              | Physical access unobtainable due to dense nettle undergrowth. Visual assessment of basal condition also prohibited. Low laterals over footpath and field. Historic limb loss to main stem at 7m and 4m on northern aspect, main stem appears to be hollow at this location, hollowing is likely to have coalesced. A tree of fine arb merit   | Raise crown to 3m. Remove deadwood. Reduce by removal of approx 7m off the height and 4m off lateral spread to create a compact, secondary crown, targeting secondary growth points. | >40                                | B3                      | RET      |
| 9119          |         | Pedunculate oak | 11         | 3                | 4 | 4  | 5 | 3 S                            | 1.5             | 1          | 810            |     |    |    |    | 9.72            | 297              | V                                 | F                              | Physical access unobtainable and full visual assessment of basal condition obscured by dense nettle undergrowth. Fibre buckling present on main stem at approx 1.5m. Main leader has been historically snapped out. Growth form is now squat and round. Power cable running through crown NW to SE. High quantity of deadwood within crown. Two large stubs, one dead/ decaying and on with live growth at the end. Dead stub from past height reduction. | Crown raise to 3m. Remove deadwood. Clear power cable.   | 20+                                | C3                      | RET      |
| 9120          |         | Pedunculate oak | 18         | 10               | 4 | 6  | 7 | 3 NE                           | 2               | 1          | 955            |     |    |    |    | 11.46           | 412              | OM                                | F                              | Low laterals on eastern aspect. Crown beginning to retrench with dieback at the extremities. High quantity of deadwood. Power cables running through crown.   | Reduce by removal of 7m off the height and 5m off the laterals, to create a contained inner crown. Remove deadwood. Raise crown to 3m. Provide clearance of power line.              | >40                                | B1                      | RET      |
| 9121          |         | Sycamore        | 12         | 1                | 3 | 5  | 3 | 1 E                            | 5               | 1          | 430            |     |    |    |    | 5.16            | 84               | M                                 | P                              | Asymmetrical crown to west. Cavities on main stem southern aspect exposing heartwood. High quantity of deadwood in crown to west over path . Tree in decline  | Remove to ground level   | <10                                | U                       | U        |
| 9122          |         | Pedunculate oak | 17         | 9                | 7 | 6  | 6 | 6 W                            | 7               | 1          | 790            |     |    |    |    | 9.48            | 282              | M                                 | F                              | Physical access unobtainable due to dense nettle undergrowth. High quantity of deadwood within crown. Visual assessment of basal condition obscured by dense undergrowth.   | Remove deadwood within crown   | >40                                | C1                      | RET      |
| 9123          |         | Pedunculate oak | 10         | 0                | 6 | 2  | 5 | 4 S                            | 5               | 1          | 380            |     |    |    |    | 4.56            | 65               | EM                                | F                              | Poor growth form, asymmetrical canopy to south. Deadwood within crown over path. Of little arb merit  | Remove deadwood over footpath  | >40                                | C1                      | RET      |
| 9124          |         | Hazel           | 4          | 2                | 3 | 2  | 5 | 0                              | 1               | 5          | 80             | 60  | 50 | 40 | 30 | 1.47            | 7                | M                                 | F                              | Multi stem from ground level. Physical access unobtainable due to dense undergrowth. Deadwood within canopy   | Coppice to ground level  | 20+                                | C1                      | RET      |
| 9125          |         | Ash             | 14         | 5                | 5 | 3  | 4 | 4 W                            | 5               | 1          | 405            |     |    |    |    | 4.86            | 74               | M                                 | F                              | Physical access and visual inspection of basal condition unobtainable due to dense undergrowth. High quantity of deadwood within crown. Service cables running through canopy. Asymmetrical canopy to east  | Remove deadwood. Provide clearance to service lines.   | 20+                                | C1                      | RET      |
| 9126          |         | Holly           | 7          | 2                | 4 | 2  | 2 | 3 W                            | 4               | 2          | 180            | 170 |    |    |    | 2.98            | 28               | M                                 | P                              | Physical access and visual inspection of basal condition unobtainable due to dense undergrowth. Sparse crown with yellowing foliage. Located within ditch area. Of little arb value   | No works required at present   | <10                                | C1                      | RET      |
| 9127          |         | Pedunculate oak | 16         | 7                | 8 | 10 | 8 | 2 S                            | 6               | 1          | 790            |     |    |    |    | 9.48            | 282              | M                                 | F                              | No obvious visual defects at the base. Deadwood present located over ditch area and path to west. A tree of fine arb merit  | Remove deadwood over path to west  | >40                                | B1                      | RET      |
| 9128          |         | Pedunculate oak | 14         | 5                | 5 | 5  | 5 | 3 E                            | 4               | 1          | 840            |     |    |    |    | 10.08           | 319              | M                                 | F                              | No obvious defects from ground. Fibre buckling present at 1m on southern aspect of main stem. Deadwood throughout canopy. Service cables running through crown. Ivy has been severed and died back  | Remove deadwood from canopy. Clear service cables  | >40                                | B1                      | RET      |
| 9129          |         | Ash             | 10         | 2                | 3 | 3  | 2 | 4 W                            | 6               | 1          | 205            |     |    |    |    | 2.46            | 19               | EM                                | F                              | Ivy clad from ground level. Twin stem from 3m, unable to assess union due to presence of Ivy. Of fine arb merit   | Sever Ivy from ground level  | >40                                | B1                      | RET      |
| 9130          |         | Pedunculate oak | 16         | 3                | 5 | 6  | 4 | 4 S                            | 4               | 1          | 400            |     |    |    |    | 4.80            | 72               | M                                 | F                              | Physical access unobtainable and visual assessment of structural condition obscured by dense undergrowth. Ivy clad from ground level. N obvious defects, of fine arb merit  | Sever Ivy from ground level  | >40                                | B1                      | RET      |
| 9131          |         | Field maple     | 7          | 3                | 2 | 2  | 2 | 2 N                            | 4               | 1          | 345            |     |    |    |    | 4.14            | 54               | M                                 | F                              | Physical access unobtainable and visual assessment of structural condition obscured by dense undergrowth. Growing in hedgerow. Of little arb merit  | No works required at present   | 20+                                | C1                      | RET      |
| 9132          |         | Pedunculate oak | 14         | 6                | 6 | 6  | 6 | 4 E                            | 5               | 1          | 750            |     |    |    |    | 9.00            | 254              | M                                 | F                              | Physical access unobtainable and visual assessment of structural condition obscured by dense undergrowth. Roadside assessment. High quantity of large deadwood within canopy. Ivy has been severed and has died back. Low branches on eastern aspect over field. Of fine arb merit  | Remove deadwood. Raise eastern aspect of crown to provide 3m clearance from ground   | >40                                | B1                      | RET      |
| 9133          |         | Pedunculate oak | 14         | 7                | 8 | 8  | 6 | 2 S                            | 4               | 1          | 830            |     |    |    |    | 9.96            | 311              | M                                 | F                              | Physical access unobtainable and visual assessment of structural condition obscured by dense undergrowth. Roadside assessment. High quantity of large deadwood in with crown. I've has been severed and has died back. X1 over extended lateral to SW with little foliage. Low canopy over field to east. Of fine arb merit   | Remove deadwood. Raise canopy over field to east to provide 3m clearance. Reduce over extended SW lateral by 4m to suitable secondary growth points                                  | >40                                | B1                      | RET      |
| 9134          |         | Ash             | 7          | 3                | 3 | 3  | 3 | 2 S                            | 4               | 1          | 300            |     |    |    |    | 3.60            | 41               | EM                                | F                              | Physical access unobtainable and visual assessment of structural condition obscured by dense undergrowth. Roadside assessment. Early mature ash, no obvious visual defects. Of good arb merit   | Sever Ivy  | >40                                | B1                      | RET      |
| 9135          |         | Ash             | 16         | 9                | 5 | 6  | 7 | 2 E                            | 5               | 2          | 530            | 270 |    |    |    | 7.14            | 160              | M                                 | P                              | Twin stem from ground level with included union. Evidence of ground level change at rooting zone. Large dead limb over road to east. High quantity of deadwood throughout canopy. Dieback evident throughout crown. Of little arb merit   | Remove deadwood. Reduce canopy spread and height by 3m   | >40                                | C1                      | RET      |
| 9136          |         | Pedunculate oak | 10         | 2                | 2 | 4  | 4 | 4 S                            | 6               | 1          | 700            |     |    |    |    | 8.40            | 222              | M                                 | D                              | Physical access unobtainable and visual assessment of structural condition obscured by dense undergrowth. Roadside assessment. Dead tree encapsulated in ivy  | Remove to ground level   | <10                                | U                       | U        |
| 9137          |         | Pedunculate oak | 17         | 7                | 7 | 7  | 8 | 4 W                            | 5               | 1          | 1050           |     |    |    |    | 12.60           | 499              | M                                 | F                              | Evidence of ground disturbance in between buttress roots. Probe enters approx 20cm underground. Good buttress formation, not thought to be of significance at present. Bifurcates at approx 5m, union appears sound. Some deadwood within canopy. A tree of good arb value  | Remove to ground level   | >40                                | B1                      | RET      |
| 9138          |         | Pedunculate oak | 16         | 8                | 7 | 3  | 3 | 4 W                            | 3               | 1          | 760            |     |    |    |    | 9.12            | 261              | M                                 | F                              | Evidence of ground disturbance in rooting zone. Probe enters approx 30cm inward between buttress roots on western aspect. Good buttress formation, not thought to be of significance at present. Bifurcat3 at approx 3m, union appears sound. Ivy clad from ground level. High quantity of deadwood within crown. Low laterals over field to south  | Sever Ivy. Remove deadwood. Raise over field to provide 3m clearance.  | >40                                | B1                      | RET      |
| 9139          |         | Pedunculate oak | 7          | 1                | 6 | 0  | 1 | 2 S                            | 2               | 1          | 310            |     |    |    |    | 3.72            | 43               | EM                                | F                              | Poor form, heavily asymmetrical crown to south. Questionable longevity in current location  | Remove to ground level   | <10                                | U                       | U        |
| 9140          |         | Ash             | 12         | 2                | 7 | 0  | 4 | 1 E                            | 6               | 2          | 240            | 290 |    |    |    | 4.52            | 64               | M                                 | P                              | Evidence of potential fire damage at base, exposing decayed heartwood on northern aspect at ground level. Ivy clad from ground level. Cavities and cracks prolific on both stems. Matrix of Ivy potentially providing vital structural support. Dieback and deadwood throughout   | Remove to ground level   | <10                                | U                       | U        |
| 9141          |         | Pedunculate oak | 14         | 7                | 6 | 4  | 2 | 3 N                            | 5               | 1          | 590            |     |    |    |    | 7.08            | 157              | M                                 | F                              | Evidence of potential fire damage at base, exposing decayed heartwood on northern aspect at ground level. Bulging apparent surrounding site of wounding. Ivy clad from ground level. Questionable structural stability. Presence of epicormic frith throughout canopy as a reaction to stress. High quantity of deadwood.   | Remove to ground level   | <10                                | U                       | U        |
| 9142          |         | Pedunculate oak | 17         | 7                | 7 | 6  | 7 | 3 W                            | 4               | 1          | 1020           |     |    |    |    | 12.24           | 470              | M                                 | F                              | Good buttress formation. Necrotic bark on eastern aspect at 1m, sounding mallet reveals localised hollowing. Not thought to be of significance at present. Ivy has been severed and has died back, some parts are large and hanging within the canopy over the road. Low laterals to south over field. Deadwood throughout crown. A tree of good arb merit  | Remove deadwood and large dead ivy over road. Raise crown over field to provide 3m clearance.  | >40                                | B1                      | RET      |

| FLAC Ref. No. | TPO Ref | Species         | Ht.<br>(m) | Crown Spread (m) |   |   |   | Ht. 1 <sup>st</sup> Br.<br>(m) | Ht. Can.<br>(m) | Stem Count | Stem Dia. (mm) |     |     |   |   | RPA Rad.<br>(m) | RPA Area<br>(m2) | Life Stage<br>Y-SM-EM-M-OM-V | Phys. Condition<br>G-F-P-D | Structural condition & Notes  | Management recommendations   | Ret. Span<br><10, 10+ 20+, >40 | QV Grade<br>U-A-B-C | Proposal |
|---------------|---------|-----------------|------------|------------------|---|---|---|--------------------------------|-----------------|------------|----------------|-----|-----|---|---|-----------------|------------------|------------------------------|----------------------------|---|--|--------------------------------|---------------------|----------|
|               |         |                 |            | N                | S | W | E |                                |                 |            | 1 / mean       | 2   | 3   | 4 | 5 |                 |                  |                              |                            |   |  |                                |                     |          |
| 9143          |         | Ash             | 13         | 4                | 4 | 4 | 4 | 3 S                            | 4               | 3          | 180            | 220 | 260 |   |   | 4.63            | 67               | EM                           | F                          | Physical access unobtainable and visual assessment of structural condition obscured by dense undergrowth. Roadside assessment. Historic wound to most eastern stem at ground level with some wound wood formation. Not thought to be of significance at present. Low canopy over field to south. Of fair arboricultural merit | Raise over field to provide 3m clearance                                     | 20+                            | B1                  | RET      |
| 9144          |         | Pedunculate oak | 10         | 1                | 2 | 0 | 4 | 2 E                            | 2               | 1          | 350            |     |     |   |   | 4.20            | 55               | EM                           | P                          | Ivy clad from ground level. High quantity of large deadwood and dieback. Sparse crown with poor foliage.  | Remove to ground level   | <10                            | U                   | U        |
| 9145          |         | Pedunculate oak | 8          | 0                | 2 | 6 | 0 | 6 S                            | 6               | 1          | 390            |     |     |   |   | 4.68            | 69               | EM                           | P                          | Potentially historically struck by a vehicle. Wounding to main stem at ground level on northern aspect with resultant crack. Sounding mallet reveals decay extends vertically 2m. Structural integrity compromised. Large deadwood within crown. Of little arb merit  | Remove to ground level   | <10                            | U                   | U        |
| 9146          |         | Hornbeam        | 6          | 4                | 4 | 4 | 4 | 2 N                            | 2               | 1          | 290            |     |     |   |   | 3.48            | 38               | EM                           | G                          | Low laterals over footpath and road. Cavity to main stem on southern aspect at 3m with good callus formation, not thought to be significant. Of fine arb merit  | Raise southern aspect to provide 5m clearance over road and 3m over footpath | >40                            | B1                  | RET      |
| 9147          |         | Pedunculate oak | 5          | 3                | 3 | 3 | 3 | 1 N                            | 1               | 1          | 250            |     |     |   |   | 3.00            | 28               | EM                           | F                          | Physical access unobtainable due to dense undergrowth. Of poor, sprawling form and low arb merit  | Raise over footpath to provide 3m clearance                                  | >40                            | C1                  | RET      |
| 9148          |         | Pedunculate oak | 13         | 5                | 5 | 4 | 5 | 3 N                            | 2               | 1          | 850            |     |     |   |   | 10.20           | 327              | V                            | F                          | Stag head tree with crown having retrenched to compact form. Cavities on primary stem at 6m, 8m and 9m on SE aspect providing dry habitat spaces with internal hollowing likely to have coalesced. Large basal buttressing. Compact soil beneath crown caused by cattle   | No works required at present   | >40                            | A3                  | RET      |

Data for trees assessed as groups (TG)

| FLAC Ref. No. | TPO Ref | Species  | Tree Count | Ht. (m) | M RCS (m) | Ht. 1 <sup>st</sup> Br. (m) | Ht. Can. (m) | Specimen Stem Dia. (mm) | Specimen RPA Rad. (m) | Specimen RPA Area (m2) | Life Stage Y-SM-EM-M-OM | Phys. Condition G-F-P-D | Structural condition & Notes   | Management recommendations  | Ret. Span <10, 10+ 20+, >40 | QV Grade U-A-B-C | Proposal | No. of trees retained | Trees retained % |
|---------------|---------|--|------------|---------|-----------|-----------------------------|--------------|-------------------------|-----------------------|------------------------|-------------------------|-------------------------|--|---|-----------------------------|------------------|----------|-----------------------|------------------|
| TG9001        |         | Cherry plum                                    | 7          | 4       | 1.5       | 3 W                         | 3            | 110                     | 1.32                  | 5                      | EM                      | F                       | Group of boundary Prunus with presence of Ivy on stems. Of little arb merit  | No works required at present  | 20+                         | C2               | RET      | 7                     | 100.0            |
| TG9002        |         | Cherry plum                                    | 2          | 3       | 2         | 1                           | 0            | 90                      | 1.08                  | 4                      | EM                      | F                       | Of sprawling form and little arb merit   | No works required at present  | >40                         | C2               | REM      | 0                     | 0.0              |
| TG9003        |         | Elm  | 4          | 2       | 1         | 1                           | 1            | 100                     | 1.20                  | 5                      | SM                      | D                       | Dead elms  | Remove to ground level  | <10                         | U                | REM      | 0                     | 0.0              |
| TG9004        |         | Hawthorn, elder                                | 4          | 3       | 2         | 3                           | 3            | 80                      | 0.96                  | 3                      | EM                      | F                       | Boundary group of little arb merit   | No works required at present  | >40                         | C2               | RET      | 4                     | 100.0            |
| TG9005        |         | Blackthorn                                     | 3          | 3       | 1         | 3                           | 3            | 75                      | 0.90                  | 3                      | EM                      | F                       | Boundary group of little arb merit   | No works required at present  | >40                         | C2               | PRET     | 2                     | 66.7             |
| TG9006        |         | Pedunculate oak                                | 2          | 5       | 2         | 2 E                         | 2            | 240                     | 2.88                  | 26                     | EM                      | F                       | Ivy clad on field boundary. Of little arb merit  | No works required at present  | >40                         | B2               | RET      | 2                     | 100.0            |
| TG9007        |         | Silver birch                                   | 4          | 9       | 3         | 2 N                         | 4            | 290                     | 3.48                  | 38                     | M                       | D                       | Physical access unobtainable due to dense undergrowth. X4 dead birch stems   | Remove to ground level  | <10                         | U                | U        | 0                     | 0.0              |
| TG9008        |         | Pedunculate oak                                | 2          | 15      | 4         | 2 E                         | 6            | 540                     | 6.48                  | 132                    | M                       | F                       | Pair of oaks inside woodland. Deadwood present, not thought to be of significance at present. Of good arb merit  | No works required at present  | >40                         | B2               | RET      | 2                     | 100.0            |
| TG9009        |         | Pedunculate oak, ash                           | 8          | 10      | 5         | 2 E                         | 2            | 490                     | 5.88                  | 109                    | M                       | F                       | Located in woodland boundary. Deadwood throughout, thought not to be of significance at present  | Raise low limbs to east to provide 3m clearance from ground. Remove deadwood in eastern aspect over field | >40                         | B2               | RET      | 8                     | 100.0            |
| TG9010        |         | Hawthorn, oak                                  | 4          | 8       | 3         | 1 E                         | 1            | 290                     | 3.48                  | 38                     | EM                      | F                       | Asymmetrical growth form due to light suppression from woodland trees. Deadwood present in woodland, not thought to be of significance at present. Group of little arb merit   | No works required at present  | 20+                         | C2               | RET      | 4                     | 100.0            |
| TG9011        |         | Hawthorn, cherry plum                          | 3          | 6       | 2         | 3 S                         | 2            | 250                     | 3.00                  | 28                     | EM                      | F                       | Woodland edge group of straggly form. Of little arb merit  | No works required at present  | 20+                         | C2               | RET      | 3                     | 100.0            |
| TG9012        |         | Pedunculate oak                                | 2          | 15      | 5         | 3 E                         | 4            | 700                     | 8.40                  | 222                    | M                       | F                       | Pair of woodland edge oaks. Growing out of bank incline. Deadwood and epicormic growth throughout. Low laterals to south over field. Of fine arb merit   | Remove deadwood in southern aspect over field. Lift low laterals over field to provide 3m clearance.      | >40                         | B2               | RET      | 2                     | 100.0            |
| TG9013        |         | Hawthorn                                       | 3          | 4       | 1         | 3 W                         | 4            | 130                     | 1.56                  | 8                      | EM                      | D                       | Three dead Ivy clad stems, single tree to west.  | Remove to ground level  | <10                         | U                | U        | 0                     | 0.0              |
| TG9014        |         | Birch, elm                                     | 5          | 10      | 2         | 3 S                         | 3            | 290                     | 3.48                  | 38                     | EM                      | D                       | Dead/ dying trees  | Remove to ground level  | <10                         | U                | PRET     | 3                     | 60.0             |
| TG9015        |         | Elm, hawthorn, holly, sycamore, horse chestnut | 7          | 6       | 3         | 2 N                         | 2            | 180                     | 2.16                  | 15                     | EM                      | F                       | Mixed boundary group. Of little arb merit  | No works required at present  | 20+                         | C2               | RET      | 7                     | 100.0            |
| TG9016        |         | Stag's-horn Sumach                             | 5          | 5       | 4         | 1                           | 1            | 160                     | 1.92                  | 12                     | M                       | F                       | Boundary group of sumac. Of little arb merit. Prolific sucker growth   | No works required at present  | 20+                         | C2               | RET      | 5                     | 100.0            |
| TG9017        |         | Flowering cherry                               | 2          | 7       | 4         | 3 N                         | 2            | 520                     | 6.24                  | 122                    | M                       | F                       | Located in private garden. Physical access unobtainable. Low laterals on northern aspect over field. Of fine arb merit   | Raise northern aspect to provide 3m from ground   | >40                         | B2               | RET      | 2                     | 100.0            |
| TG9018        |         | Pedunculate oak                                | 2          | 7       | 4         | 1 W                         | 1            | 280                     | 3.36                  | 35                     | EM                      | F                       | No obvious visual defects observed. Low laterals over field to south. Trees of fine arb merit  | Reduce low laterals back to source to provide 3m height clearance from ground level over field            | >40                         | B2               | REM      | 0                     | 0.0              |
| TG9019        |         | Cherry plum                                    | 9          | 3       | 2         | 1 S                         | 1            | 100                     | 1.20                  | 5                      | EM                      | F                       | Physical access unobtainable. Group of little arb merit  | No works required at present  | 20+                         | C2               | REM      | 0                     | 0.0              |
| TG9020        |         | Elm  | 10         | 5       | 2         | 3 N                         | 4            | 80                      | 0.96                  | 3                      | EM                      | D                       | Dead / dying roadside elms   | Remove to ground level  | <10                         | U                | REM      | 0                     | 0.0              |
| TG9021        |         | Osier  | 60         | 4       | 2         | 1 S                         | 0            | 50                      | 0.60                  | 1                      | EM                      | G                       | Group providing shelter belt to road. Of limited arb merit   | No works required at present  | >40                         | C2               | RET      | 60                    | 100.0            |
| TG9022        |         | Holm oak                                       | 17         | 3       | 1         | 1.5                         | 1.5          | 90                      | 1.08                  | 4                      | Y                       | F                       | Group lining driveway. Trimmed into box shape to contain canopy. Of fine arb merit   | No works required at present  | >40                         | C2               | PRET     | 16                    | 94.1             |
| TG9023        |         | Pedunculate oak                                | 2          | 13      | 6         | 4 S                         | 7            | 550                     | 6.60                  | 137                    | M                       | G                       | Pair of oaks, one twin stem from ground level. Grown together forming communal canopy. Heavily Ivy clad from ground, obscuring full visual inspection of structural condition. Both trees asymmetrical crowns favouring south. Deadwood in canopy to south | Sever ivy from ground level. Remove deadwood on southern aspect   | >40                         | B2               | RET      | 2                     | 100.0            |
| TG9024        |         | Pedunculate oak                                | 5          | 13      | 5         | 5 S                         | 5            | 400                     | 4.80                  | 72                     | EM                      | F                       | Ivy present within group. No obvious visual defects. Some dieback present. Group of fine arb merit   | Sever ivy from ground level.  | >40                         | B2               | RET      | 5                     | 100.0            |
| TG9025        |         | Ash  | 2          | 8       | 3         | 3 N                         | 4            | 340                     | 4.08                  | 52                     | EM                      | F                       | Unable to obtain physical access due to dense understory. Trees incline with asymmetrical crowns favouring east. Both trees Ivy clad from ground level. Canopies appear healthy. Of fine arb merit   | Sever Ivy from ground level   | >40                         | B2               | RET      | 2                     | 100.0            |
| TG9026        |         | Hawthorn                                       | 2          | 6       | 2         | 3 E                         | 3            | 180                     | 2.16                  | 15                     | M                       | F                       | Unable to obtain physical access due to dense under growth. Both trees Ivy clad from ground level. Asymmetrical canopy favours east toward field. Of little arb merit  | Sever Ivy from ground level   | 20+                         | C2               | RET      | 2                     | 100.0            |
| TG9027        |         | Pedunculate oak                                | 2          | 11      | 4         | 5 E                         | 6            | 430                     | 5.16                  | 84                     | M                       | P                       | Pair of trees, one with twin stem. Both declining in health, dieback apparent with large quantity of deadwood. Heavy inclines to east.   | No works required at present  | 10+                         | U                | U        | 0                     | 0.0              |
| TG9028        |         | Aspen  | 15         | 13      | 4         | 3 S                         | 3            | 190                     | 2.28                  | 16                     | EM                      | F                       | Approx 5 dead stems within group. Some low laterals to east. All drawn, slender form. Of little arb merit. Service line running though group   | Remove dead within group. Clear service line  | 20+                         | C2               | RET      | 15                    | 100.0            |
| TG9029        |         | Aspen  | 50         | 3       | 1         | 0                           | 1            | 35                      | 0.42                  | 1                      | Y                       | F                       | Natural regeneration of young aspen. Service line running through group. Of little arb merit   | No works required at present  | >40                         | C2               | RET      | 50                    | 100.0            |
| TG9030        |         | Cherry plum                                    | 20         | 3       | 3         | 1                           | 1            | 45                      | 0.54                  | 1                      | SM                      | F                       | Roadside group, of little arb merit  | No works required at present  | 20+                         | C2               | RET      | 20                    | 100.0            |
| TG9031        |         | Holly, hazel, elm, birch                       | 30         | 5       | 2         | 1                           | 1            | 200                     | 2.40                  | 18                     | EM                      | F                       | Fair-poor physiology. Numerous dead stems within group, including larger birch tree. Deadwood present throughout. Group of little arb merit  | Remove deadwood and dead stems from within group  | 10+                         | C2               | RET      | 30                    | 100.0            |
| TG9032        |         | Ash  | 2          | 15      | 5         | 7 N                         | 7            | 450                     | 5.40                  | 92                     | M                       | P                       | Pair of ash in declining health. Asymmetrical canopy to east. High quantity of deadwood in both trees  | Remove to ground level  | <10                         | U                | U        | 0                     | 0.0              |
| TG9033        |         | Ash  | 2          | 11      | 3         | 3 W                         | 4            | 305                     | 3.66                  | 42                     | EM                      | P                       | Pair of ash. Ivy clad. One tree is dead, the other is declining. Prolific ivy from ground to top of canopy. Of little arb merit. Physical access unobtainable due to undergrowth   | Remove to ground level  | <10                         | U                | U        | 0                     | 0.0              |
| TG9034        |         | Leyland cypress                                | 4          | 17      | 4         | 0                           | 1            | 380                     | 4.56                  | 65                     | M                       | F                       | Group of x4 leylandii cypress. X1 snapped hanging branch in tree furthest west. Group of little arb value  | Remove and tidy snapped branch. Crown raise to provide 3m clearance over field                            | 20+                         | C2               | RET      | 4                     | 100.0            |
| TG9035        |         | Pedunculate oak                                | 2          | 15      | 7         | 2 W                         | 4            | 500                     | 6.00                  | 113                    | M                       | F                       | Ivy clad from ground level. Dead hawthorn in between stems. Low laterals over field to east. Deadwood throughout   | Crown raise to provide 3m clearance over field. Remove deadwood. Remove dead hawthorn stem                | >40                         | B2               | RET      | 2                     | 100.0            |
| TG9036        |         | Cherry plum                                    | 2          | 5       | 3         | 3 S                         | 4            | 340                     | 4.08                  | 52                     | M                       | P                       | Both trees reveal hollowing in main stem, cavities , exposed heartwood and bark necrosis. Of no arb value  | Remove to ground level  | <10                         | U                | U        | 0                     | 0.0              |
| TG9037        |         | Pedunculate oak, ash                           | 2          | 12      | 6         | 1 SW                        | 2            | 720                     | 8.64                  | 234                    | M                       | F                       | Both trees twin stemmed from ground level. Ivy clad, obscuring full visual inspection of unions. Deadwood present throughout both canopies. Low crowns over field to south. Of fine arb merit  | Sever Ivy. Raise canopies to provide 3m clearance on southern aspect. Remove deadwood                     | 20+                         | C2               | RET      | 2                     | 100.0            |
| TG9038        |         | Hawthorn                                       | 2          | 5       | 3         | 2 S                         | 4            | 170                     | 2.04                  | 13                     | M                       | F                       | Both trees heavily Ivy clad. Supressed form, with dense foliage in the lower crowns. Of little arb merit   | Sever ivy   | 20+                         | C2               | RET      | 2                     | 100.0            |



Data for hedgerows (HR)

| FLAC Ref.<br>No. | Species                         | Ht.<br><br>(m) | Mean<br>Width<br><br>(m) | Length<br><br>(m) | Mean Stem<br>Dia.<br><br>(mm) | Life Stage<br><br>Y-SM-EM-M-<br>OM | Phys.<br>Condition<br><br>G-F-P-D | Structural condition & Notes  | Management recommendations        | Ret. Span<br><br><10, 10+ 20+,<br>>40 | QV Grade<br><br>U-A-B-C | Proposal | Length<br>retained<br><br>(m) | Percentage<br>retained<br><br>% |
|------------------|---------------------------------|----------------|--------------------------|-------------------|-------------------------------|------------------------------------|-----------------------------------|---|-----------------------------------|---------------------------------------|-------------------------|----------|-------------------------------|---------------------------------|
| HR9001           | Elder, hawthorn                 | 5              | 3                        | 55                | 80                            | M                                  | F                                 | Physical access unobtainable. Of little arb merit                                 | No works required at present      | 20+                                   | C2                      | RET      | 55                            | 100.0                           |
| HR9002           | Willow                          | 4              | 5                        | 23                | 120                           | EM                                 | F                                 | Physical access unobtainable. Of fair arb merit                                   | No works required at present      | >40                                   | B2                      | RET      | 23                            | 100.0                           |
| HR9003           | Hazel                           | 3              | 3                        | 54                | 70                            | EM                                 | F                                 | Physical access unobtainable. Of fair arb merit                                   | No works required at present      | >40                                   | B2                      | PRET     | 48                            | 88.9                            |
| HR9004           | Hazel, blackthorn, hawthorn     | 2              | 3                        | 44                | 60                            | EM                                 | F                                 | Physical access unobtainable. Of little arb merit                                 | No works required at present      | >40                                   | C2                      | RET      | 44                            | 100.0                           |
| HR9005           | Bramble, hawthorn               | 3              | 3                        | 142               | 40                            | SM                                 | F                                 | Of little arb merit   | No works required at present      | >40                                   | C2                      | RET      | 142                           | 100.0                           |
| HR9006           | Elm, hazel, hawthorn, plum, ash | 4              | 3                        | 237               | 50                            | EM                                 | F                                 | Numerous dead stems within hedgerow. Of fair-poor physiology. Of little arb merit | Remove dead stems within hedgerow | 20+                                   | C2                      | RET      | 237                           | 100.0                           |
| HR9007           | Elm, hazel                      | 3              | 3                        | 10                | 40                            | EM                                 | F                                 | Numerous dead elm within hedgerow. Of little arb value                            | Remove dead stems within hedgerow | 10+                                   | C2                      | RET      | 10                            | 100.0                           |
| HR9008           | Hawthorn                        | 2              | 2                        | 12                | 20                            | SM                                 | F                                 | Of poor form and little arb merit   | No works required at present      | 20+                                   | C2                      | RET      | 12                            | 100.0                           |
| HR9009           | Elm                             | 3              | 3                        | 81                | 20                            | EM                                 | F                                 | Of little arb merit   | No works required at present      | <10                                   | C2                      | RET      | 81                            | 100.0                           |
| HR9010           | Aspen                           | 8              | 4                        | 38                | 60                            | SM                                 | F                                 | Of little arb merit   | No works required at present      | >40                                   | C2                      | RET      | 38                            | 100.0                           |
| HR9011           | Elm, hawthorn plum              | 4              | 4                        | 27                | 45                            | EM                                 | F                                 | Of little arb merit   | No works required at present      | >40                                   | C2                      | RET      | 27                            | 100.0                           |
| HR9012           | Elm, hawthorn, elder            | 6              | 3                        | 42                | 40                            | EM                                 | F                                 | Of little arb merit   | No works required at present      | >40                                   | C2                      | RET      | 42                            | 100.0                           |
| HR9013           | Hazel                           | 8              | 2                        | 14                | 30                            | EM                                 | F                                 | Of fair arb merit   | No works required at present      | 20+                                   | B2                      | RET      | 14                            | 100.0                           |
| HR9014           | Elm, hawthorn, plum, ash        | 8              | 4                        | 64                | 60                            | SM                                 | F                                 | Of little arb merit   | No works required at present      | >40                                   | C2                      | PRET     | 60                            | 93.8                            |

Data for hedges (H)

| FLAC Ref. No. | Species                      | Ht.<br>(m) | Mean Width<br>(m) | Length<br>(m) | Mean Stem Dia.<br>(mm) | Life Stage<br>Y-SM-EM-M-OM | Phys. Condition<br>G-F-P-D | Structural condition & Notes  | Management recommendations   | Ret. Span<br><10, 10+ 20+, >40 | QV Grade<br>U-A-B-C | Proposal |
|---------------|------------------------------|------------|-------------------|---------------|------------------------|----------------------------|----------------------------|---|------------------------------|--------------------------------|---------------------|----------|
| H9001         | Cherry and Portuguese laurel | 2          | 2                 | 20            | 50                     | M                          | G                          | Cherry laurel and Portuguese laurel hedge in private driveways. Of fine arb merit | No works required at present | 20+                            | B2                  | RET      |



OVERVIEW SHEET - NOT TO SCALE



OVERVIEW SHEET - NOT TO SCALE

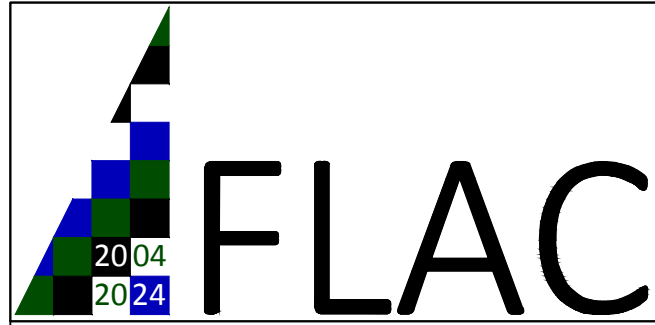






CAUTION: THIS DRAWING IS  
INTENDED TO BE READ IN COLOUR

## SHEET 1 of 2



**Client**  
Bloor Homes (Southern) and the  
University of Reading

**Instruction**  
Hyde End Road

**Instruction ref.**  
CC44-1023

**Dwg title**  
Tree Survey & Retention &  
Removal Plan

**Dwg no.**  
44-1023.02

**Date**  
31.03.25

**Scale**  
Overview sheet NTS  
Detail sheets 1:500 @ A0

### Key

Quality & value grades:

- Category A ● High
- Category B ● Moderate
- Category C ● Low
- Category U ● Unretainable

  Tree crowns

  Trees for removal to  
facilitate development

  Trees for removal for  
arboricultural reasons

  Notional tree root  
protection area - RPA

  Veteran tree buffer (BGR  
Regs. 2024)

  Veteran tree crown  
hatch (BGR Regs. 2024)

  MAGIC boundary -  
Ancient & Semi-Natural  
Woodland

  Minimum 15m Ancient  
Woodland buffer

The Old Rectory, Park Lane, Blunham  
BEDFORD, MK44 3NJ  
T 44(0)1767 641648  
enquiries@flac.uk.com  
www.flac.uk.com

### Notes

Do not scale off dwg - refer to tree  
survey data schedule for crown  
spreads etc

Tree / woodland group outlines  
follow the topo survey or survey  
data where materially larger

All tree positions are indicative  
(marked \*) unless a topo survey  
has been provided to FLAC

Any trees omitted from topo  
survey are located indicatively

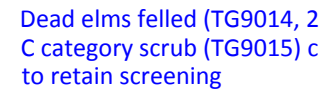
RPA for hedges or hedgerows to be  
taken as 3m from the centreline,  
half the height or width + 2m each  
side, whichever is the greater

Notes on potential habitat features  
are for guidance only; ecological  
assessment is recommended

Drawn to N unless otherwise  
indicated







## Tanner's Copse

Ford



**Client**  
Bloor Homes (Southern) and the  
University of Reading

**Instruction**  
Hyde End Road

**Instruction ref.**  
CC44-1023

**Dwg title**  
Tree Survey & Retention &  
Removal Plan

**Dwg no.**  
44-1023.02

**Date**  
31.03.25

**Scale**  
Overview sheet NTS  
Detail sheets 1:500 @ A0

Key

### Quality & value grades

Category A  High

Category B  Moderate


Category C  Low

Category U ● Unretainable

 **Tree crowns**

 **Trees for removal to facilitate development**

 **Trees for removal for arboricultural reasons**

 **Notional tree root protection area - RPA**

**Veteran tree buffer (BG  
Regs. 2024)**

 **Veteran tree crown hatch (BGR Regs. 2024)**



**MAGIC boundary -  
Ancient & Semi-Natural  
Woodland**

 **Minimum 15m Ancient Woodland buffer**

The Old Rectory, Park Lane, Blunham  
BEDFORD, MK44 3NJ  
T 44(0)1767 641648  
enquiries@flac.uk.com  
www.flac.uk.com

## Notes

Do not scale off dwg - refer to tree  
survey data schedule for crown  
spreads etc

Tree / woodland group outlines follow the topo survey or survey data where materially larger

All tree positions are indicative (marked \*) unless a topo survey has been provided to FLAC

Any trees omitted from topo  
survey are located indicatively

RPA for hedges or hedgerows to be taken as 3m from the centreline, half the height or width + 2m each side, whichever is the greater

Notes on potential habitat features  
are for guidance only: ecological  
assessment is recommended

Drawn to N unless otherwise indicated



# OVERVIEW SHEET - NOT TO SCALE

CAUTION: THIS DRAWING IS  
INTENDED TO BE READ IN COLOUR

SHEET 1 of 2

Notes

Do not scale off dwg - refer to tree survey data schedule for crown spreads etc

Tree / woodland group outlines follow the topo survey or survey data where materially larger

All tree positions are indicative (marked \*) unless a topo survey has been provided to FLAC

Any trees omitted from topo survey are located indicatively

RPA for hedges or hedgerows to be taken as 3m from the centreline, half the height or width + 2m each side, whichever is the greater

Notes on potential habitat features are for guidance only: ecological assessment is recommended

**FLAC**

Client: Moor Homes (Southern) and the University of Reading

Instruction: Hyde End Road

Instruction ref: CC64-1023

Dwg title: Tree Protection Plan (Outline)

Dwg no: 44-1023.03

Date: 31.03.25

Scale: Overview sheet NTS  
Detail sheets 1:500 @ A0

Quality & value grades:

Category A ● High

Category B ● Moderate

Category C ● Low

Category U ● Unretainable

Retained trees

Notional tree root protection area - RPA

Veteran tree buffer per Natural England Standing Advice 15x stem dia.

Veteran tree crown hatch (BGR Regs. 2024)

FLAC Type 1 tree protection fencing (TPF), see inset sketch 1

New permanent hard surfacing constructed to no-dig principles

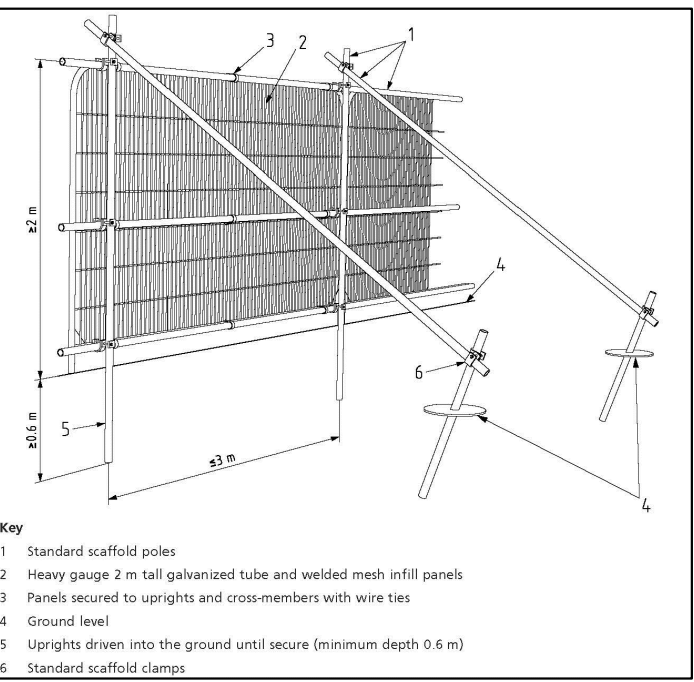
Position of temporary ground protection (see inset sketch 2)

MAGIC boundary - Ancient & Semi-Natural Woodland

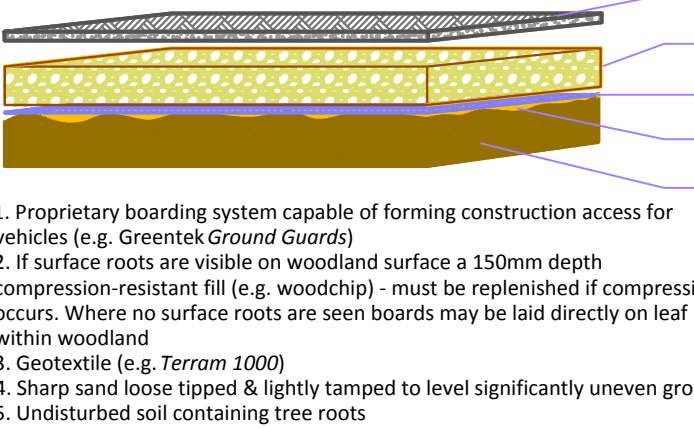
Minimum 15m Ancient Woodland buffer

The Old Rectory, Park Lane, Burslem  
ST6 2JH  
01829 541111  
info@flac.co.uk  
www.flac.co.uk

INSET SKETCH 1 - FLAC TYPE 1 TREE PROTECTION FENCING



INSET SKETCH 2 - EXAMPLE GROUND PROTECTION FOR <2T ACCESS



EXAMPLE ALERT & PROHIBITION SIGNAGE TO BE FIXED TO TREE PROTECTION FENCING



**TREE PROTECTION PHASING SCHEDULE**

The following phasing schedule shall be strictly adhered to:

1. Pre-start site meeting (refer to Arboricultural Method Statement)
2. Implementation of physical tree protection (i.e. establishment of Construction Exclusion Zone)
3. Audit of installation of tree protection measures by FLAC
4. Primary construction
5. Secondary construction including hard landscaping
6. Removal of physical tree protection measures
7. Soft landscaping
10. Post-completion tree condition check by FLAC

**ARBORICULTURAL SUPERVISION SCHEDULE**

General:

- Pre-start meeting with contractors
- Audit of enabling tree works & tree protection system, fencing and ground protection
- 2x weekly visits
- 2x fortnightly visits
- 1x monthly visits
- Quarterly visits until completion, inc. of soft landscaping
- Adjustments of TPF from primary to secondary alignments
- All any works within the root protection area (RPA) including commencement of installation of new permanent hard surfacing

## ARBORICULTURAL METHOD STATEMENT

### A) PRELIMINARY MATTERS

1. Following a 22% ground modelling, demolition or construction work on site, the approved tree works (see FLAC Reg. no. 44-1023.02) are supervised by full planning consent MR not Outline consent) shall be undertaken by tree contractors (see only skilled personnel)

2. No plant access is permitted for new work operations within the root protection area (RPA) of retention trees, including areas identified for temporary ground protection

3. An approved tree removal shall be undertaken by tree contractors. Each tree shall be cut down to a tree stump

4. Trees for removal within the RPA of retention trees shall have their stump ground out (also by tree contractors)

5. Stumps from felled trees outside of RPA of retained trees can be grubbed out

### B) INSTALLATION OF PHYSICAL TREE PROTECTION MEASURES

6. Following completion of enabling tree works, each phase shall have in full system of physical tree protection measures (ground protection and ground protection)

7. Tree Protection Fencing (TPF) to BS5837:2012 Figure 2 (see FLAC Type 1 at inset sketch 1) fitted with all-weather warning signs (see elsewhere on plan)

8. Temporary Ground Protection (TGP) designed by engineers to accommodate all anticipated loading (i.e. 2T or 3T or 4T or 5T or 6T or 7T or 8T or 9T or 10T or 11T or 12T or 13T or 14T or 15T or 16T or 17T or 18T or 19T or 20T or 21T or 22T or 23T or 24T or 25T or 26T or 27T or 28T or 29T or 30T or 31T or 32T or 33T or 34T or 35T or 36T or 37T or 38T or 39T or 40T or 41T or 42T or 43T or 44T or 45T or 46T or 47T or 48T or 49T or 50T or 51T or 52T or 53T or 54T or 55T or 56T or 57T or 58T or 59T or 60T or 61T or 62T or 63T or 64T or 65T or 66T or 67T or 68T or 69T or 70T or 71T or 72T or 73T or 74T or 75T or 76T or 77T or 78T or 79T or 80T or 81T or 82T or 83T or 84T or 85T or 86T or 87T or 88T or 89T or 90T or 91T or 92T or 93T or 94T or 95T or 96T or 97T or 98T or 99T or 100T or 101T or 102T or 103T or 104T or 105T or 106T or 107T or 108T or 109T or 110T or 111T or 112T or 113T or 114T or 115T or 116T or 117T or 118T or 119T or 120T or 121T or 122T or 123T or 124T or 125T or 126T or 127T 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CAUTION: THIS DRAWING IS  
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## SHEET 1 of 2

### Notes

Do not scale off dwg - refer to tree survey data schedule for crown spreads etc

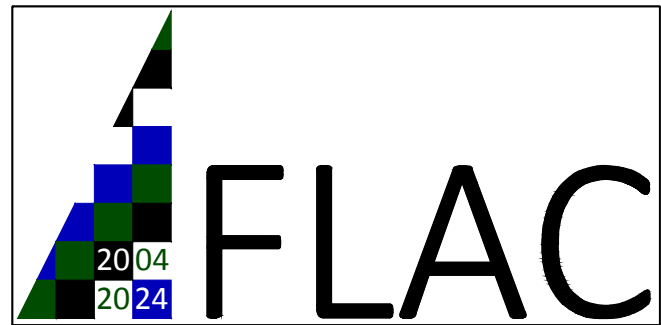
Tree / woodland group outlines follow the topo survey or survey data where materially larger

All tree positions are indicative (marked \*) unless a topo survey has been provided to FLAC

Any trees omitted from topo survey are located indicatively

RPA for hedges or hedgerows to be taken as 3m from the centreline, half the height or width + 2m each side, whichever is the greater

Notes on potential habitat features are for guidance only: ecological assessment is recommended



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**Scale**  
Overview sheet NTS  
Detail sheets 1:500 @ A0

**Quality & value grades:**

**Category A** ● High

**Category B** ● Moderate

**Category C** ● Low

**Category U** ● Unretainable

  Retained trees

  Notional tree root protection area - RPA

  Veteran tree buffer per Natural England Standing Advice 15x stem dia.

  Veteran tree crown hatch (BGR Regs. 2024)

  FLAC Type 1 tree protection fencing (TPF), see Inset sketch 1

  New permanent hard surfacing constructed to no-dig principles

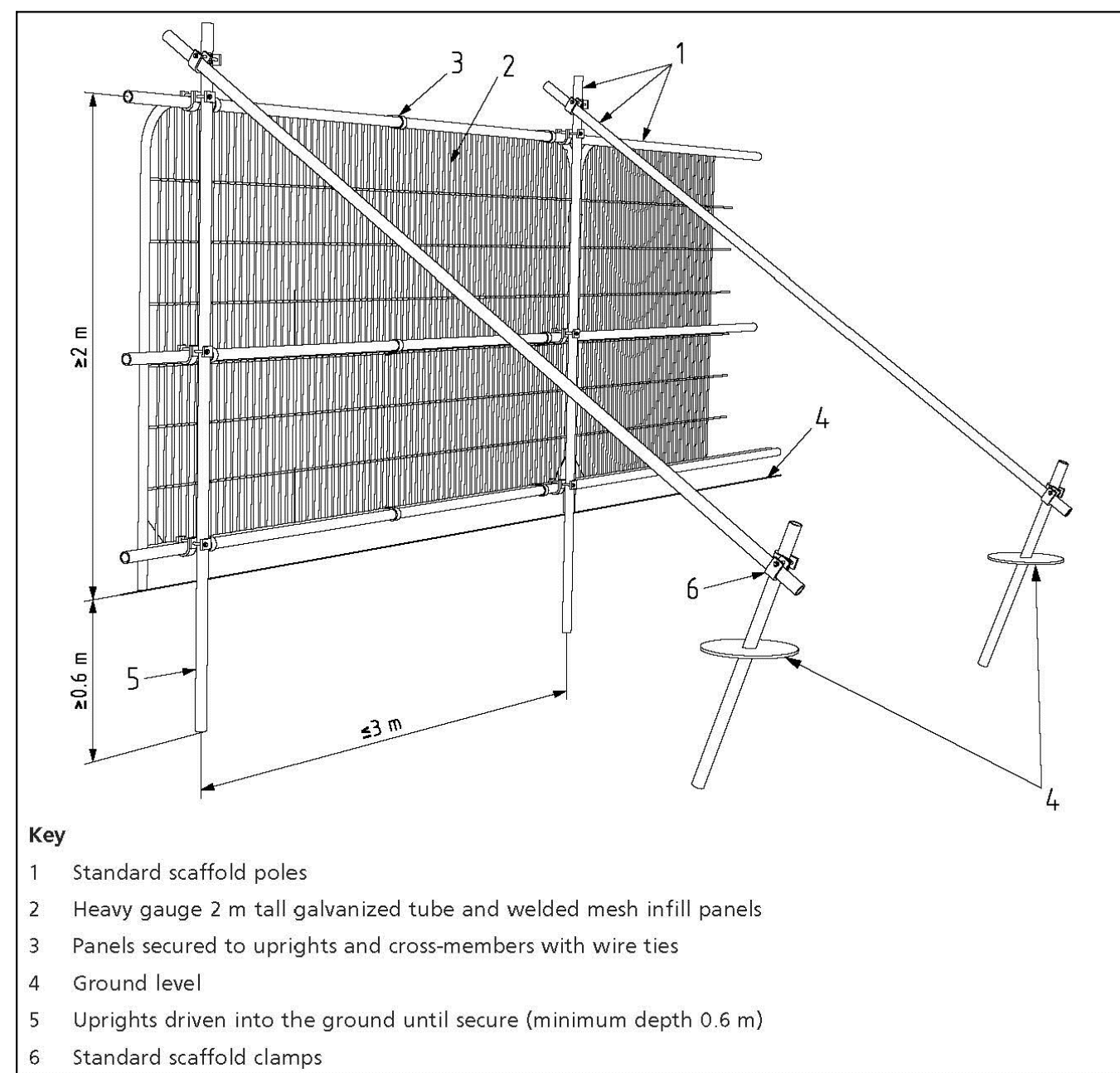
  Position of temporary ground protection (see Inset sketch 2)

  MAGIC boundary - Ancient & Semi-Natural Woodland

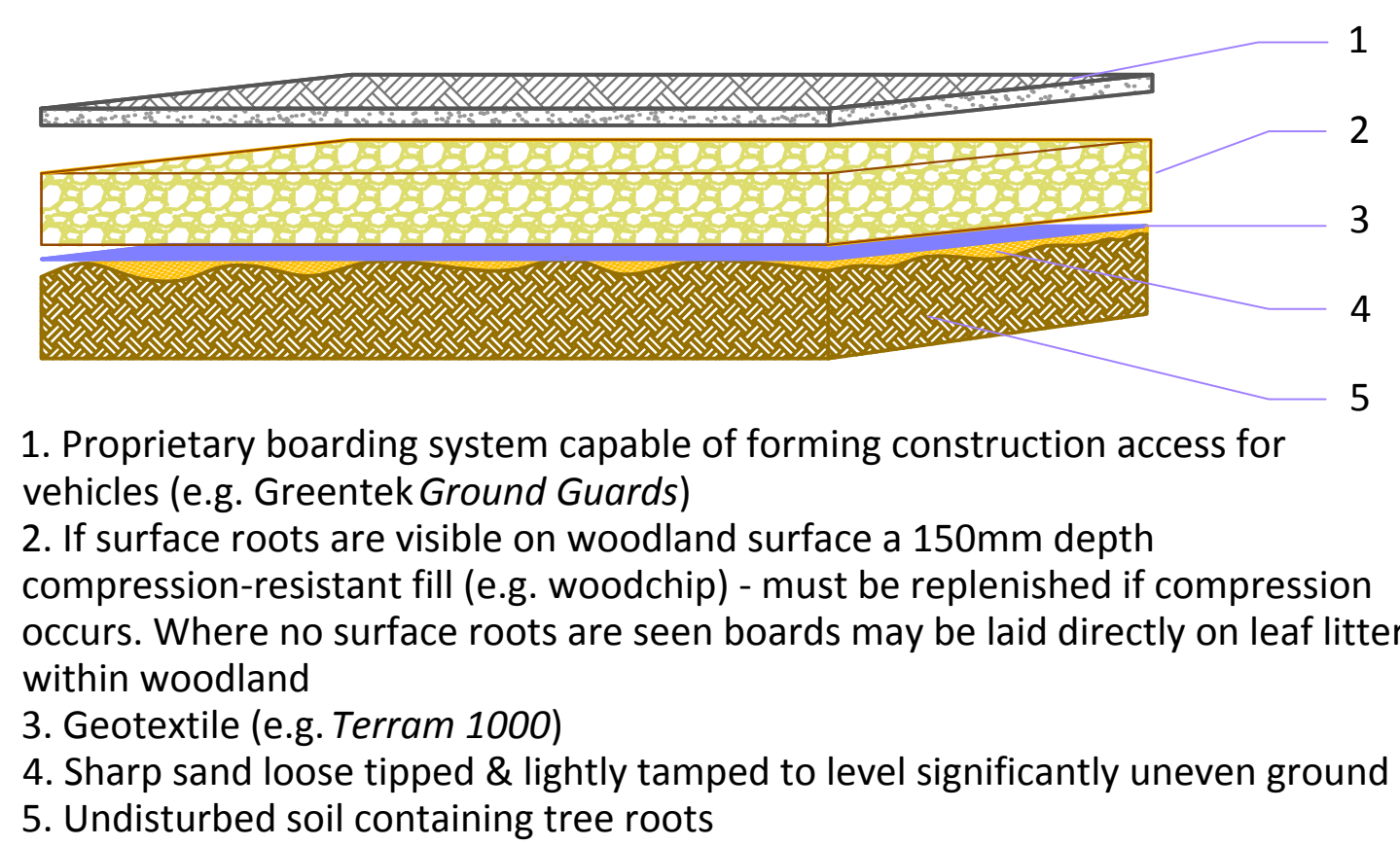
  Minimum 15m Ancient Woodland buffer

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INSET SKETCH 1 - FLAC TYPE 1 TREE PROTECTION FENCING



INSET SKETCH 2 - EXAMPLE GROUND PROTECTION FOR <2T ACCESS



EXAMPLE ALERT & PROHIBITION SIGNAGE TO BE FIXED TO TREE PROTECTION FENCING





TREE PROTECTION PHASING SCHEDULE

The following phasing schedule shall be strictly adhered to:

1. Pre-start site meeting (refer to Arboricultural Method Statement)
2. Implementation of physical tree protection (= establishment of Construction Exclusion Zone)
3. Audit of installation of tree protection measures by FLAC
4. Primary construction
7. Secondary construction including hard landscaping
8. Removal of physical tree protection measures
9. Soft landscaping
10. Post-completion tree condition check by FLAC

ARBORICULTURAL SUPERVISION SCHEDULE

General

- Pre-start meeting with contractors
- Audit of enabling tree works & tree protection system, fencing and ground protection
- 2x weekly visits
- 2x fortnightly visits
- 3x monthly visits
- Quarterly visits until completion, inc. of soft landscaping
- Adjustments of TPF from primary to secondary alignments
- All/any works within the root protection areas (RPAs) including commencement of installation of new permanent hard surfacing

5m 10m 20m 30m 40m 50m

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SHEET 2 of 2

Notes

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Any trees omitted from topo survey are located indicatively

RPA for hedges or hedgerows to be taken as 3m from the centreline, half the height or width + 2m each side, whichever is the greater

Notes on potential habitat features are for guidance only: ecological assessment is recommended

Drawn to N unless otherwise indicated



ARBORICULTURAL METHOD STATEMENT

A) PRELIMINARY MATTERS

1. Prior to any ground modelling, demolition or construction work on site, the approved tree works (see FLAC dwg. no. 44-1023.02 or as superseded by full planning consent **NB** not Outline consent) shall be undertaken by tree contractors (not unskilled personnel)
2. No plant access is permitted for tree work operations within the root protection areas (RPAs) of retention trees, including areas identified for temporary ground protection
3. All approved tree removals shall be undertaken by tree contractors. Each tree shall be cut down to a low stump
4. Trees for removal within the RPA of retention trees shall have their stumps ground out (also by tree contractors)
5. Stumps from felled trees outside of RPAs of retained trees can be grubbed out

B) INSTALLATION OF PHYSICAL TREE PROTECTION MEASURES

6. Following completion of enabling tree works, each phase shall have its **full system of physical tree protection measures** (barriers and ground protection) installed (i.e. not in piecemeal) in line with the provisions of BS5837:2012. These measures comprise:
  - Tree Protection Fencing (TPF) to BS5837:2012 Figure 2 (see FLAC Type 1 at Inset sketch 1) fitted with all-weather warning signs (see elsewhere on plan)
  - Temporary Ground Protection (TGP) designed by engineers to accommodate all anticipated loadings if >2T OR if <2T see Inset Sketch 2 and per BS5837:2012 recommendations
  - New permanent ground protection constructed to no-dig principles (see separate text on this drawing)
7. The TPF to be installed on the primary alignment (as per the dwg key) prior to any demolition, ground works and construction operations. It is to be left in situ throughout the redevelopment process. Site secure fencing may take the place of tree protection fencing if it is a) suitably robust and b) provides no less protection for above and below ground tree constraints

8. The TGP will be installed at the locations shown by the relevant hatching (see key) prior to any demolition and construction operations, unless behind primary TPF, in which case secondary TPF set-up is required. It is to be left in situ throughout the redevelopment process or in the alternative removed and primary TPF alignment reinstated

C) PROHIBITIONS & PRECAUTIONS

9. The fencing, ground protection and any existing hard surfaces within the root protection area comprise the Construction Exclusion Zone. Within this zone, the following activities are strictly prohibited during primary demolition (other than as described below):
  - Excavation / lowering of levels into rootable soil: removal of surface organic matter using hand tools is acceptable; scraping or reduction in depth of topsoil is not
  - Existing ditches within either RPAs or VTBs that are to be used for proposal drainage must not be cleaned, improved, re-graded or re-profiled
  - Removal of existing hard surfaces (= 'secondary demolition': see below)
    - Grubbing out of redundant buried structures (see below)
    - Operation, transit or storage of plant, and storage of materials, including demolition arisings, other than on ground protection
    - Storage or handling of any chemical substance injurious to trees, including fuels, oils, lubricants and cement washings
    - No services/drainage to be aligned through RPAs except by trenchless methods
    - No level changes within RPAs
    - Boundary features to avoid continuous excavations or trenching within RPAs
10. The Construction Exclusion Zone shall be established site-wide as set out above, and shall remain in place throughout the redevelopment process. No elements of the physical tree protection shall be removed or altered without prior written consent from the local planning authority.
11. Demolition of superstructures within 3m of tree canopies and / or the construction exclusion zone is an operation with a high potential to damage retention trees ('high-risk operation'), and requires on-site arboricultural supervision by FLAC

12. Within the Construction Exclusion Zone, break-out and replacement of existing hard surfaces and decommissioning of redundant services, including drainage structures, are also high-risk operations and shall be undertaken under site supervision by FLAC

D) METHODS FOR TREE FRIENDLY WORKING

13. Redundant buried structures are preferably disconnected / backfilled and retained in situ; further advice should be sought from FLAC before consideration is given to grubbing them out. Existing hard surfaces within the Construction Exclusion Zone are to be retained and not demolished / removed until completion of primary construction (see Phasing Schedule)
14. The recommendations of BS5837:2012 6.2.4.1 shall be strictly observed throughout the demolition and construction process:

**BS5837:2012 6.2.4.1**  
*Planning of site operations should take sufficient account of wide loads, tall loads and plant with booms, jibs and counterweights (including drilling rigs), in order that they can operate without coming into contact with retained trees. Such contact can result in serious damage to the trees and might make their safe retention impossible. Consequently, any transit or traverse of plant in proximity to trees should be conducted under the supervision of a banksman, to ensure that adequate clearance from trees is maintained at all times. Access facilitation pruning should be undertaken where necessary to maintain this clearance*

Note: In some instances local planning authority consent for pruning might be required

E) ARBORICULTURAL SUPERVISION & REPORTING

15. All high risk operations (i.e. intra-RPA) require arboricultural supervision. Additionally ongoing inspection of the tree protection measures shall be provided whilst works are in progress. A schedule of supervision is provided elsewhere on this drawing.

A WRITTEN & PHOTOGRAPHIC REPORT WILL BE PROVIDED WITHIN 5 WORKING DAYS OF EACH MONITORING VISIT

LANDSCAPING WITHIN RPAS

After primary construction has been completed the Tree Protection Fencing shall be removed to allow landscaping to take place.

Prior to landscaping commencing the project arboriculturist shall meet the landscape contractors to discuss what is proposed and precautions required.

The following principles shall be followed within the RPA of retained trees:

- No machinery shall pass over the ground unless protected by existing hard surface or temporary ground protection
- If excavation is required, this shall be localised and undertaken carefully by hand tools only ensuring that roots are preserved
- There shall be no changes in levels, unless agreed by the project arboriculturist

PATH CONSTRUCTION USING THREE-DIMENSIONAL CELLULAR CONFINEMENT SYSTEM

In the position shown on this plan by the orange hatching (see key), construction shall be undertaken over the existing ground **without excavation** using a proprietary three-dimensional cellular confinement system such as Geosynthetic Cellweb.

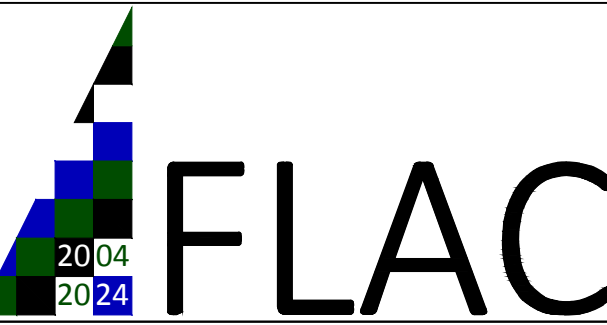
The system shall comprise:

- A porous geotextile membrane laid over the ground
- A three-dimensional cellular confinement system opened out and fixed in place over the membrane
- Edge constraints such as timber sleepers or pinned kerb stones placed on the existing surface
- Crushed, angular stone (20-40mm) with no-fines filled into the cells
- Permeable resin-bonded gravel wearing course over the aggregate to allow gaseous exchange and water infiltration

NOTES: There shall be **no construction access** over unprotected ground in the locations shown.

The work shall be undertaken during the landscaping phase (see separate box relating to landscaping) after all other construction has been completed

A DETAILED SITE-SPECIFIC CONSTRUCTION DESIGN SHALL BE PREPARED BY AN ENGINEER OR PRODUCT MANUFACTURER PRIOR TO INSTALLATION



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  New permanent hard surfacing constructed to no-dig principles

  Position of temporary ground protection (see Inset sketch 2)

  MAGIC boundary - Ancient & Semi-Natural Woodland

  Minimum 15m Ancient Woodland buffer

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