

## **Arboricultural Method Statement**

### **Premier Inn Hotels**

**Premier Inn,  
Duffryn,  
Pentrebacj,  
Merthyr Tydfil,  
CF48 4BB**

**30 April 2024**

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*This report has been released electronically and the appendices have been included at the end of this report. Plans are included as A0, A1, A2 or A3 as appropriate.*

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## Introduction

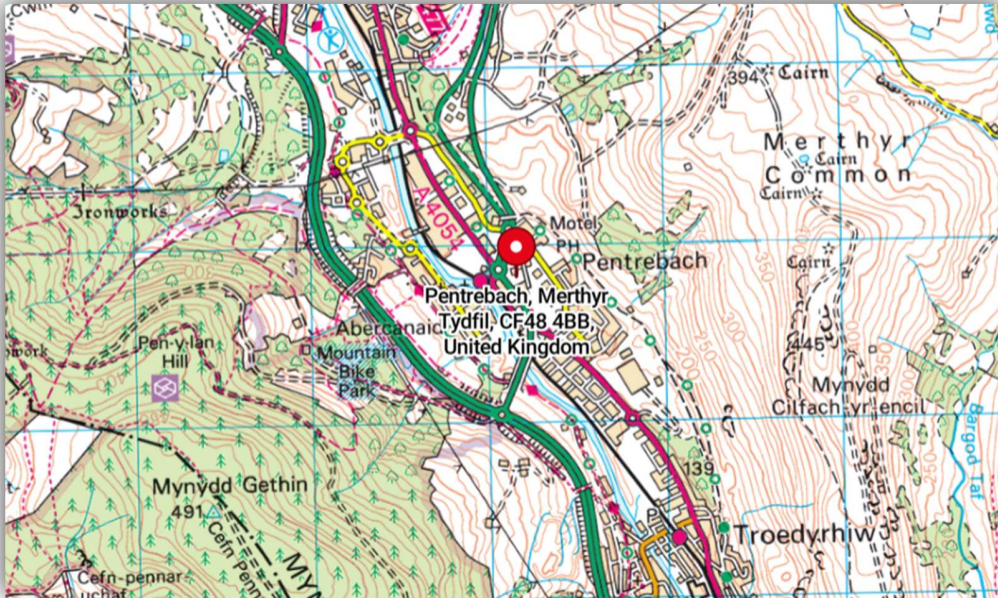
Arbtech Consulting Limited (Arbtech) received written instruction on 4 April 2024 from Matthew Mills of M2 Project Surveyors on behalf of Whitbread Group PLC to attend Premier Inn, Duffryn, Pentrebacj, Merthyr Tydfil, CF48 4BB; grid reference, SO 06177 03790 (site) to undertake an arboricultural survey to BS5837:2012 guidance to assess trees, hedges and major shrub groups growing on and within influencing distance of the site and to produce a Schedule of trees, Tree Constraints Plan, Arboricultural Impact Assessment, Arboricultural Method Statement and Tree Protection Plan.

## Executive Summary

This report describes the extent and effect of the proposed development at Site on individual trees and groups of trees within and adjacent to the site.

Trees within the site were surveyed; using a methodology guided by British Standard 5837:2012 'Trees in relation to design, demolition and construction – Recommendations' ("BS5837").

Subsequently, this report has been produced, balancing the layout of the proposed development against the competing needs of trees. This report comprises all of the requisite elements of an arboricultural implications assessment, method statement and supporting plans.



**Figure 1:** OS Map (Bing Maps)



**Figure 2:** Aerial Image of site with approximate red line boundary (Google Earth)

## Proposed scheme

The proposed scheme for the site is to extend the existing hotel, adding 16 new bedrooms.



**Figure 3:** Proposed scheme, drawings “proposed site plan - option 3”, drawing No 6153-F-PROP (Axiom Architects)

It is likely that arboricultural impacts can be addressed with arboricultural methodology or minor amendments to the proposal.

## Checklist for Submission to Local Planning Authority

|                                  |                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------|
| Tree survey                      |  |
| Tree constraints plan            |  |
| Arboricultural impact assessment |  |
| Arboricultural method statement  |  |
| Tree protection plan             |  |

This report and its appendices precisely follow the strategy for arboricultural appraisal intended to provide local planning authorities with evidence that trees have been properly considered throughout the development process.

It is the conclusion of this report that the overall quality and longevity of the amenity contribution provided for by the trees and groups of trees within and adjacent to the site will not be adversely affected as a result of the local planning authority consenting to the proposed development. It is considered that any issues raised in this report, or beyond the scope of it can be dealt with by planning conditions.

## General Information

**Client:** Whitbread Group PLC

**Site:** Premier Inn, Duffryn, Pentrebacj, Merthyr Tydfil, CF48 4BB.

**Brief proposal description:** Extend the existing hotel, adding 16 new bedrooms.

**Table 1: Documents referred to.**

| Document                            | Reference No.  |
|-------------------------------------|----------------|
| Topographical / Site survey drawing | 4520/10/001    |
| Proposed layout drawing             | 6153-F-PROP    |
| British Standard 5837:2012          | “BS5837”       |
| Arboricultural Impact Assessment    | Arbtech AIA 01 |
| Tree Protection Plan                | Arbtech TPP 01 |

## Tree Survey

Survey: An arboricultural survey to BS5837 of all trees within impacting distance of the site was undertaken by Thomas Ramm on 17 April 2024.

A total of 33No individual trees, 8No groups of trees and, 5No hedges were surveyed. Details for each of the trees surveyed are provided in the Schedule of Trees (see Appendix 1)

**Table 2: Documents upon which this tree survey has been based.**

| Document            | Originator               | Reference Number | Title                                   |
|---------------------|--------------------------|------------------|-----------------------------------------|
| Survey Base Drawing | Clugston Survey Services | 4520/10/001      | Topographical Survey & Utilities Survey |

Limitations: The survey was made at ground level using visual observation only. Detailed examinations, such as climbing inspections and decay detection equipment were not employed, though may form part of the survey's management recommendations. Measurements were taken using specialist tapes, laser, and GPS devices. Where this was not possible, measurements are estimated.

Scope: Pre-development tree surveys make arboricultural management recommendations based exclusively upon the individual tree or group of trees condition relative to their present context (*i.e. not in relation to the proposed development*).

Legal Status: No statutory protection check has been performed. BS5837 does not draw any distinction between trees subject to statutory protection, such as a Tree Preservation Order ("TPO"), and those trees without, stating at Annex B:

*The potential effect of development on trees, **whether statutorily protected** (e.g. by a tree preservation order or by their inclusion within a conservation area) **or not**, is a material consideration that is taken into account in dealing with planning applications.*

Consequently, we do not seek to offer any comparison between or infer any difference in the quality or importance of TPO trees and other trees.

For more information on the surveyed trees please see Arbtech Consulting Ltd, Tree Survey Schedule (**Appendix 1**), Tree Survey Report and Tree Constraints Plan.

## Arboricultural Impact Assessment

**Table 3: Documents upon which this assessment has been based.**

| Document            | Originator               | Reference Number | Title                                   |
|---------------------|--------------------------|------------------|-----------------------------------------|
| Survey Base Drawing | Clugston Survey Services | 4520/10/001      | Topographical Survey & Utilities Survey |
| Proposed Site Plan  | Axiom Architects         | 6153-F-PROP      | Proposed Site Plan – Option 3           |

The proposed has no impact on any retained trees and groups.

These impacts can be seen on the Arboricultural Impact Assessment drawing number Arbtech AIA 01.

### Trees to be removed

The total number of trees to be removed for this scheme is 4No individuals, and the partial removal of 2No hedges as a part of this development.

A breakdown of all tree removals and pruning works can be seen in Table 7: Summary of Tree Works

**Table 4: Number of individual trees to be removed.**

| U | A | B | C |
|---|---|---|---|
| 0 | 0 | 2 | 2 |

**Table 5: Number of groups to be removed.**

| U     | A     | B     | C     |
|-------|-------|-------|-------|
| 0 (0) | 0 (0) | 0 (0) | 0 (2) |

() = partial removal of a group

Canopy cover is ecologically important and the loss of canopy cover by this tree will be mitigated with planting within the development.

## Arboricultural Method Statement

The purpose of this method statement is to demonstrate how any aspect of the development that has potential to result in loss or damage to a tree may be implemented and provide an adequate level of protection for those trees that are to be retained during the proposed works.

Details of key site personnel, including site/project manager will be submitted to the Council's Tree Officer before the commencement of site works.

This method statement is to be approved and agreed to in writing by all key personnel before the commencement of site works.

No site personnel are to be present and no demolition, site clearance, building work or delivery of materials is to occur until the protective measures are in accordance with this method statement and the Tree Protection Plan drawing number Arbtech TPP 01.

Protective measures will be in accordance with this method statement and the Tree Protection Plan; drawing number Arbtech TPP 01 will remain unaltered and in situ, unless otherwise specified, for the entire duration of the construction.

**Table 6: Documents upon which this assessment has been based.**

| Document            | Originator               | Reference Number | Title                                   |
|---------------------|--------------------------|------------------|-----------------------------------------|
| Survey Base Drawing | Clugston Survey Services | 4520/10/001      | Topographical Survey & Utilities Survey |
| Proposed Site Plan  | Axiom Architects         | 6153-F-PROP      | Proposed Site Plan – Option 3           |

## Tree Works

For reasons of public safety, all tree works referred to herein must be carried out before any site personnel commencing works or any building materials being delivered.

**Table 7: Summary of Tree Works.**

| No. | Species               | Works                                                                       | Category |
|-----|-----------------------|-----------------------------------------------------------------------------|----------|
| H01 | Cherry Laurel         | Prune: Cut back canopy back to the kerb line                                | C2       |
| H02 | Cherry Laurel         | Partial fell: Remove northern section as shown in Arbtech AIA 01            | C2       |
| H02 | Cherry Laurel         | Prune: Cut back canopy back to the kerb line                                | C2       |
| H03 | Various               | Partial fell: Remove southern section as shown in Arbtech AIA 01            | C2       |
| H03 | Various               | Prune: Cut back canopy back to the kerb line                                | C2       |
| T05 | Common Alder          | Fell and remove stump                                                       | C12      |
| T06 | Common Alder          | Fell and remove stump                                                       | C12      |
| T07 | Silver Birch          | Fell and remove stump                                                       | B12      |
| T08 | Scots Pine            | Fell and remove stump                                                       | B1       |
| T10 | Common Holly          | Prune: Raise crown over the highway as required to give 6m ground clearance | B12      |
| T11 | Common Horse Chestnut | Prune: Raise crown over the highway as required to give 6m ground clearance | B12      |
| T12 | Common Holly          | Prune: Raise crown over the highway as required to give 6m ground clearance | B12      |
| T13 | Scots Pine            | Prune: Raise crown over the highway as required to give 6m ground clearance | B12      |

**Notes:** All tree work is to be undertaken in accordance with British Standard BS 3998:2010, Recommendations for tree work. All arising's are to be removed and the site is to be left as found. Care is to be taken of the ground around retained trees to make sure that it does not become compacted as a result of tree surgery operations. No equipment or vehicles such as timber Lorries, tractors, excavators, or cranes shall be parked or driven beneath the crowns of any retained trees, to prevent subsequent compaction and root death.

## Tree removal

A tree should be felled in one piece only when there is no significant risk of damage to people, property, or protected species (see Annex A).

Where restrictions (e.g. lack of space, buildings, other features, land ownership or use, or other trees which are to be retained) cannot be overcome, trees should be dismantled in sections.

This also applies where a tall stump is being retained but where branches are to be removed/pruned.

Extensively decayed trees can be unpredictable when they are being felled, and special precautions should, therefore, be taken, such as the use of a winch to guide the direction of fall.

## Stump removal – stump grinding

Stump grinding will be to a minimum of 300mm deep or to extend through the base of the stump leaving the major roots disconnected if the intention is to reduce the potential for the spread of Honey fungus.

The grinding residue will be treated as arising's and removed from site.

*NOTE: Mechanical destruction of a stump by stump grinding is less disruptive to the site than digging out.*

The hole left by stump removal will be filled with soil or other material. The filling should be appropriate for future site usage, and for any surface treatment that is to be installed.

Where future plant growth is desired, the backfill material will be firmed in 150 mm layers by treading, avoiding excessive compaction and destruction of the soil structure.

## Stump removal - digging

Stump removal by digging out will include disposal/utilisation of woody material.

*NOTE: Mechanical destruction of a stump by stump grinding is less disruptive to the site than digging out.*

Where possible when winching out a stump, a ground, or other type of anchor, will be used rather than a tree to be retained. If there is no alternative to using such a tree as an anchor, appropriate protective measures will be adopted.

### **After stump removal**

The hole left by stump removal, whether by digging out or grinding, will be filled with soil or other material. The filling will be appropriate for future site usage and for any surface treatment that is to be installed.

Where future plant growth is desired, the back-fill material will be firmed in 150mm layers by treading, avoiding excessive compaction and destruction of the soil structure.

## Protected Species (general informative for tree works)

### Conservation Status of British Bats

The consensus in Britain and Europe is that virtually all bat species are declining and vulnerable. Our understanding of population status is poor as there is very little historical data for most bat species. Certain species, such as the horseshoe bats, are better understood and have well-documented contractions in range and population size.

Given this general picture of decline in UK Government within the UK Biodiversity Action Plan has designated five species of bats as priority species (greater and lesser horseshoe bats, barbastelle, Bechstein's and pipistrelle). These plans provide an action pathway whereby the maintenance and restoration of the former populations' levels are investigated.

### Legal Status of British Bats

Given the above position, all British bats, as well as their breeding sites and resting places, enjoy national and international protection.

All bat species in the UK are fully protected under the Wildlife and Countryside Act 1981 (as amended) through inclusion in Schedule 5. All bats are also listed on Annex IV (and some on Annex II) of the EC Habitats Directive giving further, European protection. Taken together, the Act and Conservation of Habitats and Species Regulations 2012 (as amended) \* make it an offence to; intentionally or deliberately kill, injure or capture (take) bats.

- Deliberately disturb bats (whether in a roost or not).
- Damage, destroy or obstruct access to bat roosts.
- Possess or transport a bat or any part of a bat, unless acquired legally.
- Sell, barter or exchange bats, or parts of bats.

The legislation although not strictly affording protection to foraging grounds does protect roost sites. Bat roosts are protected at all times of the year whether or not bats are present. Any disturbance of a roost due to development must be licenced.

*\*The regulations that delivered by the UK's commitments to the Habitats Directive.*

## Breeding birds

All nesting birds are protected under the Wildlife and Countryside Act (as amended) 1981, which makes it an offence to intentionally kill, injure or take any wild bird or take, damage or destroy its nest whilst in use or being built, or take or destroy its eggs. Furthermore, several birds enjoy further protection under that Act and are listed on Schedule 1 of the Act. These further protected birds are also protected from disturbance and it may be necessary to operate “no-go” buffer zones around such nests – typically out to 100m.

Planning policy guidance on the treatment of species identified as priorities under the biodiversity action programme suggests that local authorities should take measures to protect the habitats of these species from further decline through policies in local development documents and should ensure that they are protected from the adverse effects of development, where appropriate, by using planning conditions or obligations. The conservation of these species should be promoted through the incorporation of beneficial biodiversity designs within developments.

## Sequencing of works

A logical sequence of events is to be observed and shall be phased as follows.

**Table 8: Sequence of Events**

| Stage    | Event                                                                                    |
|----------|------------------------------------------------------------------------------------------|
| Stage 1  | Carry out tree works as specified within the summary of tree works                       |
| Stage 2  | Installation of protective measures in accordance with the approved tree protection plan |
| Stage 3  | Pre-commencement site meeting                                                            |
| Stage 4  | Undertake removal of hard surfacing                                                      |
| Stage 5  | Undertake and complete construction works                                                |
| Stage 6  | Undertake external landscaping works outside of the construction exclusion zones         |
| Stage 7  | Removal of all machinery and materials from site                                         |
| Stage 8  | Dismantle and removal of protective measures                                             |
| Stage 9  | Undertake external landscaping works within the construction exclusion zones             |
| Stage 10 | Sign off from Project Arboriculturist                                                    |

## Protective Measures

Protective measures are to be installed immediately following the completion of the tree works and are to be sited and aligned in accordance with the tree protection plan (Arbtech TPP 01) before the commencement of any works or the introduction of any machinery or material to Site.

Upon installation of the protective measures around the retained trees, the Project Arboriculturist will visit the site to inspect and document the position and specifications of the protective measures.

If the protective measures and their positions do not comply with this arboricultural method statement document number Arbtech AMS 01 (30 April 2024) and tree protection plan drawing number Arbtech TPP 01, the Project Arboriculturist shall inform the client and fencing contractor so adjustments can be made.

When the protective measures comply with document number Arbtech AMS 01 (30 April 2024) and tree protection plan drawing number Arbtech TPP 01, the Project Arboriculturist will sign off the protective measures in writing to the client and will send a copy to the fencing contractor, site agent and local authority tree officer.

If the protective measures become damaged or there is any accident or emergencies involving trees, these areas are to be cordoned off immediately with high visibility plastic mesh fencing. The site agent is to photograph and document the damage and inform the Project Arboriculturist immediately after the incident and all work within this area is to cease until the Project Arboriculturist has visited the site. Any damaged sections of protective measures shall be replaced within 48 hours of the initial incident.

The protected area is sacrosanct and will not be invaded by the storage of materials, mixing of concrete or other products, accessed by machinery, equipment, or pedestrians or in any other way disturbed by construction activity.

The protective measures will remain in place until the completion of stage 7 (see Sequencing of Works), thereafter they will be carefully dismantled only with the agreement of the Project Arboriculturist and or the local authority tree officer.

The existing site boundary measures are to be retained for the duration of the development. If for any reason the existing boundary measures are not to be used protective barrier fencing is to be installed along the line of the boundaries and is only to be removed upon the written permission of the Project Arboriculturist upon the

completion of the development or immediately before the installation of the permanent boundary measures.

The proposed hard surfacing is to be installed immediately to act as ground protection, where it is decided that this is not a viable option these areas are to be covered by ground boarding as designed by the project engineer to cope with any likely loading.

No equipment, vehicles or plant shall operate beyond the tree protection fencing. Booms, hoists, and rigs should be kept as far away from the canopies of retained trees at all times. Where it is necessary to operate within 5m of a tree canopy, it will be done with the utmost caution and under the control of a banks man. Damage to trees will be considered a breach of this tree protection plan, which in turn could be a breach of planning permission.

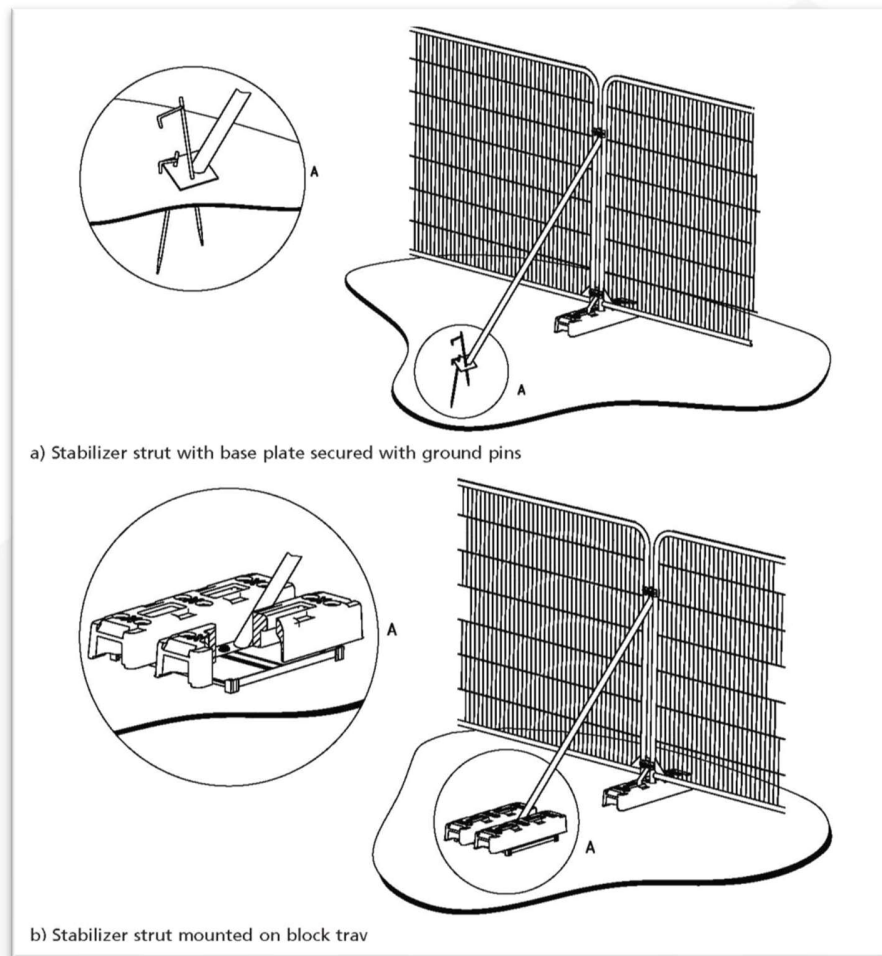
### **Construction Exclusion Zone**

A construction exclusion zone (CEZ) as designated by the protective barrier fencing, is an area where there is to be no construction activity. Access to the area for construction personnel or machinery is strictly prohibited, unless detailed in the tree protection plan, and there is no scope for materials or waste storage; welfare facilities etc. There may be some construction activities planned for these areas (e.g. the installation of service trenches) these activities will be undertaken under direct, on-site arboricultural supervision.

### **Protective Barrier Fencing**

Protective barrier fencing should be appropriate for the intensity and proximity of the development to protect trees where development activity is nearby.

To comprise either 2.4m wooden site hoarding or 2m tall welded mesh panels on rubber or concrete feet. Panels are to be joined together using a minimum of two anti-tamper couplers, installed so that they can only be removed from inside the fence. The panels will be supported on the inner side by stabiliser struts, which will be attached to a base plate and secured with ground pins.



**Figure 4:** Examples of protective barrier fencing with above-ground stabilising systems (BS5837).

Signage denoting the words “*tree protection area*” at 5.0m intervals will be fixed to the protective barrier fencing (See Appendix 2).

Protective fencing is to be removed ONLY with the written permission of the Project Arboriculturist.

## Ground boarding

New temporary ground protection will be capable of supporting any traffic entering or using the site without being distorted or causing compaction of the underlying soil.

Where it is determined by the project engineer that any hard surfacing is not adequate protection from any expected loading, ground boarding is to be installed to the engineer's specification on top of the hard surfacing within the root protection areas of retained trees.

Where machinery will be stored or used from the ground boarding within the RPAs of the retained trees an impervious barrier and or bunding to prevent oils, fuel or chemicals is to be installed to prevent leaching into the soil within or adjacent to the RPAs.

*Note* The ground protection might comprise one of the following:

- a) for pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100mm depth of woodchip), laid onto a geotextile membrane.
- b) for pedestrian-operated plant up to a gross weight of 2t, proprietary inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150mm depth of woodchip), laid onto a geotextile membrane.
- c) for wheeled or tracked construction traffic exceeding 2t gross weight, an alternative system (e.g. proprietary system or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

For any situations other than those described in a) or b) (as above), the ground boarding is to be designed by a suitably qualified person to an engineering specification in conjunction with arboricultural advice, to be suitable of supporting the expected loading to be placed upon it.

In all cases, the objective of the ground boarding is to avoid compaction of the soil beneath, so that tree root functions remain unimpaired.

At this stage, no contractors have been approached so it is not possible to know exactly what equipment they have available and will be using.

Due to the various sizes of demolition and construction plant available and the potential requirements for material storage within the site, the final specifications for the ground boarding will be designed and supplied to the Project Arboriculturist for their approval by the project engineer a minimum of ten (10) working days before its installation.

## Demolition

Before the demolition of the existing site features, all tree works are to have been completed, tree protection measures are to be in place as per Arbtech Consulting Ltd. tree protection plan document number Arbtech TPP 01 and have been signed off and a copy of the demolition method statement has been submitted and approved by the Project Arboriculturist to ensure that there is no conflict with this method statement.

All demolition work within or immediately adjacent to RPAs or canopies of retained trees is to be undertaken under the direct on-site supervision of an arboriculturist.

## Hard Surfacing

Where it is required for hard surfacing is to be removed and or re-surfaced within the RPAs of retained trees it is to be undertaken under direct on-site arboricultural supervision, during the landscaping phase of the development.

The wearing course will be broken up using a handheld pneumatic breaker, hand tools and wheelbarrows to break up and remove the surfacing. Where is necessary to remove the subbase, this is to be undertaken using a fork to loosen the material and moved using shovels and wheelbarrows.

In some situations, and at the discretion of the arborist it may be possible to use an excavator using a hydraulic breaker and a suitably sized toothless grading bucket. If an excavator is to be used it must be situated outside of the RPAs, on top of the hard surfacing working away from the RPAs or from ground boarding.

Whichever system is used there is to be **NO** disturbance of the soil beneath. If roots are found they are to be covered over with damp hessian and a layer of either sharp sand, wood chip or topsoil will be applied as soon as practicably possible to prevent desiccation.

## Existing Underground Services

Existing services within the site should be retained wherever possible. Where existing services within RPAs require upgrading, the utmost care must be taken to minimise disturbance, and where feasible trenchless techniques are to be employed, and only where necessary should open excavations be considered.

## Construction

Before the construction of the proposed development, a copy of the construction method statement will have been submitted and approved by the Project Arboriculturist to ensure that there is no conflict with this method statement.

All excavations and construction work within or immediately adjacent to RPAs or canopies of retained trees is to be undertaken under the direct on-site supervision of an arboriculturist.

### **Replacement of hard surfacing**

Removal of and or replacement of hard surfacing situated either partially or completely within the RPAs of retained trees shall be undertaken with care and under the direct on-site arboricultural supervision as these areas are likely to contain roots.

Where this is necessary the wearing course will be broken up using a handheld pneumatic breaker, hand tools and a wheel barrow to break up and remove the surfacing. In some situations and at the discretion of the arborist it may be possible to use an excavator using a hydraulic breaker and suitably sized toothless grading bucket. If an excavator is to be used it must be situated outside of the RPAs, on top of the hard surfacing working away from the RPAs or from ground boarding.

Whichever system is used there is to be NO disturbance of the soil beneath. If roots are found they are to be covered over with damp hessian and a layer of either sharp sand, wood chip or topsoil to prevent desiccation.

Replacement hard surfacing to be situated within the RPAs of retained trees is to be designed in conjunction with arboricultural advice to accommodate the likely loading. The design should not require excavation below the existing subbase and the construction will be situated entirely above the existing ground level.

## Concrete foundations

Before concrete being poured to form the foundations within or immediately adjacent to the RPAs of retained trees the excavation is to be lined and sealed to prevent any leaching of the concrete into the soil and causing desiccation of retained roots by concrete runoff.

## Manual excavation

Excavation within RPAs will be undertaken by hand under direct on-site arboricultural supervision of the required depth of the foundation; Or to a minimum of 600mm deep of any excavation, whether for proposed foundations, hard surfacing, or underground services. The total depth of the manual excavation will be determined by the arboriculturist whilst on site.

The soil is to be loosened with the aid of a fork or pickaxe and then cleared with the aid of an Air-spade, Air-vac and or shovel. Any roots found will be cleanly severed by the Project Arboriculturist with either a hand saw or secateurs.

Any roots found with a diameter of less than 25mm shall be cleanly severed by the Project Arboriculturist. Any roots of 25mm and above shall be excavated around without damaging them; the Project Arboriculturist shall decide if it is feasible or necessary to retain the root, if not it shall be severed.

The edge of the excavation closest to the trees will be covered with damp hessian to prevent soil collapse or contamination by concrete.

The soil beneath the depth may be sheet piled, regular piled or excavated deeper. Machinery may be used for this providing that it is situated outside of the RPA or has appropriate ground protection in place to move around on and work upon.

## Prohibition

- Mechanical digging or scraping is not permitted within a defined root protection area or areas cordoned off by protective barrier fencing.
- No access will be permitted within the protected areas.
- No materials, equipment or debris will be stored within any of the fenced areas, or against the fencing.
- Fires are not permitted within 10m of any vegetation.
- Leaning objects against or attaching of objects to a tree is not permitted.
- Machinery, plant, and vehicles are not permitted to be washed down within 10m of vegetation.
- Chemicals and materials are not to be transported, stored, used, or mixed within a root protection area or areas cordoned off by protective barrier fencing.
- Cement silos, mixing site to be situated within a bunded area to prevent spillage/leaking of chemicals harmful to trees. These areas are to be sited well clear of protected trees.
- Refuelling of plant or machinery is prohibited within 10m of the construction exclusion zones.
- Allowance must be made for the slope of the ground so that damaging materials such as concrete washings, mortar or diesel oil cannot run towards trees.
- Where machinery is to be used within 5m of retained tree canopies a banks man will be required at all times whilst setting up, moving, or operating within this distance of retained trees canopies.
- Storage of all caustic material and chemicals are to be situated well clear of protected areas and preferably on lower ground if slopes are present, or to be situated within a bonded area to prevent any spills or leaks entering the ground.

## Site Management

The site manager will be responsible for briefing and inducting all personnel who will be working on any stage of this development and especially those who will be working within or adjacent to the canopies or RPAs of retained trees, and will make them aware of, and provide a copy of this method statement and tree protection plan drawing number Arbtech TPP 01; this is to include but not exclusively the movement and or operation of plant, excavations, unloading deliveries, mixing and or pouring of cement and concrete.

The site manager will be responsible for the day to day running and protection of all retained trees and for liaising with the project arborist about any tree-related matters and before any works that may or will affect the RPAs or canopies of retained trees; this is to include but not exclusively the movement and or operation of plant, excavations, unloading deliveries, mixing, pouring and storage of all caustic materials that may cause harm to retained trees.

Any incidents of damage to retained trees or tree protection measures will be documented by the site manager who will then report these incidents to the Project Arboriculturist immediately and make sure that works within this area cease until the project arborist has had an opportunity to inspect the damage and where appropriate, agree on a mitigation plan with the local planning authority tree officer.

The site manager may designate another person to take charge of briefing and inducting process of new site personnel or visitors in his absence.

If the site manager is replaced or is absent from the site for more than three consecutive working days, the project arborist will be informed, and a prestart meeting will be held with the new or acting site manager.

It is the responsibility of the site manager to ensure that the planning conditions attached to the planning consent are adhered to at all times and that a monitoring regime and supervision of any works within or adjacent to the RPAs are adopted.

If at any time pruning works are required other than those previously approved, permission must be sought from the LPA tree officer and once permission is granted, they are to be carried out by a suitably qualified person in accordance with BS3998:2010 Tree work – Recommendations.

## Services

Detailed drawings of proposed underground services are not available at this time; hence it is not possible to identify any specific potential impacts associated with the scheme at this stage.

Existing services within the site will be retained wherever possible. Where existing services within RPAs require upgrading, the utmost care must be taken to minimise disturbance, and where feasible trenchless techniques are to be employed, and only where necessary should open excavations be considered.

Where new services are to be introduced into the site they will be located outside of RPAs, where they will not interfere with tree roots. If any excavations are required within the RPAs all trenches are to be excavated by hand and radially to the tree trunks under direct on-site arboricultural supervision and are to be carried out under NJUG guidelines.

Final positions of any proposed services will be verified and approved by the Project Arboriculturist and local authority tree officer before implementation.

### **New Underground services**

Trenching for installation of underground services and drainage routes could sever any roots that may be present and as such adversely affects the health of the tree. For this reason, particular care will be taken in routing and methods of installation of all underground services. All underground services and drainage routes will be located so that no excavations are required within RPAs.

Where it has been impossible to keep underground services from passing through RPAs or within proximity to trees, these sections are to be installed in one of three ways in accordance with the guidance set out in National Joint Utilities Group guidelines (NJUG 4), under on-site arboricultural supervision.

### **Trenchless Techniques**

There are three main types of trenchless techniques, these include, guided and unguided boring and pipe replacement by lining or bursting. These allow for the installation, maintenance, or renewal of underground services, without the disturbance of soil in which roots are likely to be growing. Starting and receiving pits for the boring machinery are to be located outside of the RPAs of any retained trees, with the bore depth being maintained at a minimum depth of 600mm below the existing ground level.

Techniques involving external lubrication of the equipment shall use no material other than water as other lubricants could contaminate the soil (e.g. oil, bentonite, etc.).

### **Manual Excavation**

Excavation within RPAs will be undertaken by hand under direct on-site arboricultural supervision of the required depth of the foundation; Or to a minimum of 600mm deep of any excavation, whether for proposed foundations, hard surfacing, or underground services. The total depth of the manual excavation will be determined by the arboriculturist whilst on site.

The soil is to be loosened with the aid of a fork or pickaxe and then cleared with the aid of an Air-spade, Air-vac and or shovel. Any roots found will be cleanly severed by the Project Arboriculturist with either a hand saw or secateurs.

Any roots found with a diameter of less than 25mm shall be cleanly severed by the Project Arboriculturist. Any roots of 25mm and above shall be excavated around without damaging them; the Project Arboriculturist shall decide if it is feasible or necessary to retain the root, if not it shall be severed.

The edge of the excavation closest to the trees will be covered with damp hessian to prevent soil collapse or contamination by concrete.

The soil beneath the depth may be sheet piled, regular piled or excavated deeper. Machinery may be used for this providing that it is situated outside of the RPA or has appropriate ground protection in place to move around on and work upon.

### **Broken Trench – Hand Dug**

This technique combines both trenchless techniques and manual excavation where excavation is unavoidable. Excavations will be limited to where there is clear access around and below the roots. All trenches shall be excavated by hand with the same precautions taken as for manual excavation. The open section of the trench will only be large enough to allow access for linking to the next section.

## Landscaping

A specification for and notation relating to the precise alignment of replacement trees will be contained in the landscape proposals.

Landscaping around retained trees may only be carried out once all tree protection measures have been removed (planting, turfing, fencing etc.).

All excavations within the Root Protection Areas shall be undertaken by hand and without reducing current ground levels unless it is agreed in writing with the LPA. At no time is the use of a rotavator permitted within the RPAs of retained trees.

Any tree roots discovered will be left in-situ and shall not be cut or otherwise damaged. Where possible, the soil structure within the Root Protection area shall be preserved.

No works will be carried out within the RPAs of any trees if the soil moisture is of such a level that soil compaction may be likely. Should the soil become compacted or has a poor structure which would hinder the development of the existing trees and plants or any new plantings the arboriculturist will be consulted about soil decompaction techniques.

## Monitoring and Supervision

Where trees have been identified within this method statement and tree protection plan drawing number Arbtech TPP 01 for retention, there will be an auditable system of arboricultural monitoring. This is to extend to arboricultural supervision whenever demolition or construction activity is to take place within or adjacent to any canopy or RPA.

The development's tree protection measures are to be monitored and all demolition and construction works are to be undertaken within or adjacent to the RPAs of retained trees are to be supervised by Project Arboriculturist, who will be retained to record and report observations to the council at appropriate intervals.

### **Pre-commencement site meeting**

Before the commencement of any works or machinery and materials arriving on site a pre-commencement site meeting involving the project arborist, landowner or agent, site manager, contractors and engineer (as appropriate) and the relevant LPA officers will be held to ensure that all aspects of the arboricultural method statement and tree protection are understood and for all parties to swap contact details (see Appendix 3).

### **Monitoring and supervision schedule**

The initial monitoring visit will be to check that the tree protection measures are in the correct location and as specified within the approved method statement, if so to sign off their installation.

Thereafter, monitoring visits are to take place at regular intervals, to ensure that tree protection measures are in place and are functioning as designed or whenever necessary to undertake works to be carried out under arboricultural supervision. The frequency of the monitoring visits is to be agreed with the LPA tree officer at the pre-commencement site meeting.

A record of all arboricultural monitoring and supervision visits will be kept, and any faults will be logged, this will then be copied to the site agent, developer, and local planning authority in a digital format.

If during the development areas must be re-designed so that they would require changes to the approved arboricultural method statement or tree protection plan and so affecting retained trees the project arborist and LPA tree officer will be invited to

attend a site meeting with all relevant parties. Before any changes being implemented these must have been approved in writing by the LPA tree officer.

## **Supervision**

The Project Arboriculturist will be required to attend site to directly supervise all demolition and construction works that are to be undertaken within or adjacent to the RPAs of all retained trees and will be advised a minimum of 72 hours before the commencement of any works that require his attendance, these will include:

1. Pre-commencement site meeting.
2. Location of protective measures.
3. Supervised removal of the hard surfacing, kerb edging and associated foundations within or immediately adjacent to the canopies and RPAs of all retained trees.
4. Any excavations within and immediately adjacent to RPAs, including foundations, hard surfacing, or underground services.
5. Removal of protective measures and sign off.

## **Completion meeting**

Once all construction works have been completed all materials and machinery has been removed from site the project arborist shall be informed and will invite the LPA tree officer to meet on site to discuss the process and discuss any final remedial works that may be required and to sign the development off so that the protective measures may be removed.

## Arboricultural Monitoring and Supervision Sign Off Checklist Premier Inn, Duffryn, Pentrebacj, Merthyr Tydfil, CF48 4BB

| Tree Number                        | Task                                                                  | Date Completed | Signed (Project Arboriculturist) | Signed (Site Manager) |
|------------------------------------|-----------------------------------------------------------------------|----------------|----------------------------------|-----------------------|
| All                                | Pre-commencement site meeting                                         |                |                                  |                       |
| All                                | Sign off of the location and specification of the protective measures |                |                                  |                       |
| T01, T02, T03, T04, H01, H02 & H03 | Supervised removal of the Hard surfacing & kerb edging                |                |                                  |                       |
|                                    | Additional excavations (if required)                                  |                |                                  |                       |
| All                                | Completion of groundworks                                             |                |                                  |                       |
| All                                | Completion of construction                                            |                |                                  |                       |
| All                                | Removal of machinery and materials from Site                          |                |                                  |                       |
| All                                | Dismantle & removal of protective measures                            |                |                                  |                       |
| All                                | Completion of Landscaping                                             |                |                                  |                       |
| All                                | Sign off from Project Arboriculturist                                 |                |                                  |                       |

## **Appendix 1: Tree Survey Schedule**

## BS5837:2012 Tree Survey

## Arbtech Consulting Limited

Client: Premier Inn Hotels - Merthyr Tydfil  
 Project: Premier Inn, Duffryn, Pentrebacj, Marthyr Tydfil, CF484BB  
 Survey Date: 17/04/2024  
 Surveyor: Thomas Ramm

Unit 3, Well House Barns  
 Chester Road  
 Chester  
 Cheshire  
 CH4 0DH  
 Phone: 01244661170

| Tree and Tag No<br>Species |  | Hght<br>(m)            | Stems         |           | Crown         |              | Age | RP<br>A (m²)<br>R (m) | Phys<br>Condition | Structural<br>Condition | Preliminary Recommendations |                                                                                                                                                                                                                                                                                                             |  | Cat<br>ERC |
|----------------------------|--|------------------------|---------------|-----------|---------------|--------------|-----|-----------------------|-------------------|-------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|
|                            |  |                        | No            | Ø<br>(mm) | Spread<br>(m) | Clear<br>(m) |     |                       |                   |                         | Survey Comment              |                                                                                                                                                                                                                                                                                                             |  |            |
| G01                        |  | Estimated Measurements |               |           |               |              |     |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| Various                    |  | 15                     | 1             | 360       | N             | 4            | 2   | SM                    | A: 58.6           | Good                    | C: Good                     | Group is situated off site to the west following to the south;<br>Group is comprised of circa 75+ stems with species to include pine, sycamore, alder, goat willow, hawthorn and scrub;<br>Dimensions recorded represent maximum for group; Overall the tree population within the group are of good vigor. |  | B.1.2      |
| See comments for details   |  |                        |               |           | E             | 4            | 2   |                       | R: 4.31           |                         | S: Good                     |                                                                                                                                                                                                                                                                                                             |  | 20+ yrs    |
|                            |  |                        |               |           | S             | 4            | 2   |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                             |  |            |
|                            |  |                        |               |           | W             | 4            | 2   |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| G02                        |  |                        |               |           |               |              |     |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| Various                    |  | 18                     | 1             | 520       | N             | 4            | 2   | SM                    | A: 122.3          | Good                    | C: Good                     | Group is situated off site to the north; Group is comprised of circa 30+ stems with species to include silver birch, sycamore, cherry and hornbeam; Dimensions recorded represent maximum for group; Over all the tree population within the group are of good vigor.                                       |  | B.1.2      |
| See comments for details   |  |                        |               |           | E             | 4            | 2   |                       | R: 6.23           |                         | S: Good                     |                                                                                                                                                                                                                                                                                                             |  | 20+ yrs    |
|                            |  |                        |               |           | S             | 4            | 2   |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                             |  |            |
|                            |  |                        |               |           | W             | 4            | 2   |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| G03                        |  |                        |               |           |               |              |     |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| Various                    |  | 5                      | 1             | 150       | N             | 2            | 0.5 | SM                    | A: 10.2           | Good                    | C: Good                     | Group is situated to the gardens of 'Table Table' restaurant;<br>Group is comprised of circa 10+ stems with species to include silver birch, goat willow and pontic rhododendron; Dimensions recorded represent maximum for group.                                                                          |  | C.1.2      |
| See comments for details   |  |                        |               |           | E             | 2            | 0.5 |                       | R: 1.8            |                         | S: Good                     |                                                                                                                                                                                                                                                                                                             |  | 10+ yrs    |
|                            |  |                        |               |           | S             | 2            | 0.5 |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                             |  |            |
|                            |  |                        |               |           | W             | 2            | 0.5 |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| G04                        |  |                        |               |           |               |              |     |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| A Group                    |  | 5                      | 1             | 150       | N             | 2            | 0.5 | SM                    | A: 10.2           | Good                    | C: Good                     | Group is situated to the gardens of 'Table Table' restaurant;<br>Group is comprised of circa 7+ stems of pontic rhododendron;<br>Dimensions recorded represent maximum for group.                                                                                                                           |  | C.1.2      |
| See comments for details   |  |                        |               |           | E             | 2            | 0.5 |                       | R: 1.8            |                         | S: Good                     |                                                                                                                                                                                                                                                                                                             |  | 10+ yrs    |
|                            |  |                        |               |           | S             | 2            | 0.5 |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                             |  |            |
|                            |  |                        |               |           | W             | 2            | 0.5 |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                             |  |            |
| Age Classifications:       |  | N                      | Newly planted | EM        | Early Mature  | Condition:   |     | C                     | Crown             | Stems:                  | Ø                           | Diameter                                                                                                                                                                                                                                                                                                    |  |            |
|                            |  | Y                      | Young         | M         | Mature        |              |     | S                     | Stem              |                         | (Eq)                        | Equivalent stem diameter using BS5837:2012 definition                                                                                                                                                                                                                                                       |  |            |
|                            |  | SM                     | Semi-mature   | OM        | Over Mature   |              |     | B                     | Basal area        | ERC:                    |                             | Estimated Remaining Contributio                                                                                                                                                                                                                                                                             |  |            |

| Tree and Tag No<br>Species                  | Hght<br>(m)  | Stems                                 |               | Crown                                 |              | Age | RP<br>A (m²)<br>R (m) | Phys<br>Condition           | Structural<br>Condition | Preliminary Recommendations   |                                                                                                                                                                                                                                                                         |      | Cat<br>ERC                      |
|---------------------------------------------|--------------|---------------------------------------|---------------|---------------------------------------|--------------|-----|-----------------------|-----------------------------|-------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------|
|                                             |              | No                                    | Ø<br>(mm)     | Spread<br>(m)                         | Clear<br>(m) |     |                       |                             |                         | Survey Comment                |                                                                                                                                                                                                                                                                         |      |                                 |
| G05                                         |              |                                       |               |                                       |              |     |                       |                             |                         |                               |                                                                                                                                                                                                                                                                         |      |                                 |
| Various<br><i>See comments for details</i>  | 4            | 1                                     | 150           | N                                     | 2            | 0.5 | SM                    | A: 10.2<br>R: 1.8           | Good                    | C: Good<br>S: Good<br>B: Good | Group is situated to the gardens of 'Table Table' restaurant;<br>Group is comprised of circa 7+ stems of pontic rhododendron<br>and hawthorn; Dimensions recorded represent maximum for<br>group.                                                                       |      | C.1.2<br>10+ yrs                |
| G06                                         |              |                                       |               |                                       |              |     |                       |                             |                         |                               |                                                                                                                                                                                                                                                                         |      |                                 |
| Various<br><i>See comments for details</i>  | 1            | 1                                     | 75            | N                                     | 1            | 0.5 | SM                    | A: 2.5<br>R: 0.89           | Good                    | C: Good<br>S: Good<br>B: Good | Group is situated to the west of 'Table Table' restaurant;<br>Group is comprised of circa 15+ stems of shrubs and<br>herbaceous with species to include rhododendron, cherry<br>laurel and boxleaf honeysuckle.                                                         |      | C.2<br>10+ yrs                  |
| G07                                         |              |                                       |               |                                       |              |     |                       |                             |                         |                               |                                                                                                                                                                                                                                                                         |      |                                 |
| Various<br><i>See comments for details</i>  | 1            | 1                                     | 75            | N                                     | 1            | 0.5 | SM                    | A: 2.5<br>R: 0.89           | Good                    | C: Good<br>S: Good<br>B: Good | Group is situated to the west of 'Table Table' restaurant;<br>Group is comprised of circa 15+ stems of shrubs and<br>herbaceous with species to include rhododendron, cherry<br>laurel and boxleaf honeysuckle.                                                         |      | C.2<br>10+ yrs                  |
| G08                                         |              |                                       |               |                                       |              |     |                       |                             |                         |                               |                                                                                                                                                                                                                                                                         |      |                                 |
| Various<br><i>See comments for details</i>  | 12           | 1                                     | 310           | N                                     | 3            | 2   | EM                    | A: 43.5<br>R: 3.72          | Good                    | C: Good<br>S: Good<br>B: Good | Group is situated to the western boundary line; Group is<br>comprised of circa 30+ stems with species to include<br>sycamore, hawthorn, hazel and scrub; Dimensions recorded<br>represent maximum for group; The tree population within the<br>group are of good vigor. |      | B.1.2<br>20+ yrs                |
| H01                                         |              |                                       |               |                                       |              |     |                       |                             |                         |                               |                                                                                                                                                                                                                                                                         |      |                                 |
| Cherry Laurel<br><i>Prunus laurocerasus</i> | 1            | 1                                     | 75            | N                                     | 1            | 0.5 | SM                    | A: 2.5<br>R: 0.89           | Good                    | C: Good<br>S: Good<br>B: Good | Linear hedge-line situated to the southern boundary line;<br>Hedge is comprised of circa 10+ stems; Hedge is regularly<br>maintained on top and sides to current dimensions.                                                                                            |      | C.2<br>10+ yrs                  |
|                                             |              |                                       |               |                                       |              |     |                       |                             |                         |                               |                                                                                                                                                                                                                                                                         |      |                                 |
| Age Classifications:                        | N<br>Y<br>SM | Newly planted<br>Young<br>Semi-mature | EM<br>M<br>OM | Early Mature<br>Mature<br>Over Mature | Condition:   |     | C<br>S<br>B           | Crown<br>Stem<br>Basal area | Stems:                  | Ø<br>(Eq)                     | Diameter<br>Equivalent stem diameter using BS5837:2012 definition                                                                                                                                                                                                       | ERC: | Estimated Remaining Contributio |

| Tree and Tag No<br>Species                  |  | Hght<br>(m) | Stems         |           | Crown         |              | Age        | RP<br>A (m²)<br>R (m) | Phys<br>Condition  | Structural<br>Condition | Preliminary Recommendations   |                                                                                                                                                                                                                                                                                                 |                                 | Cat<br>ERC                                            |
|---------------------------------------------|--|-------------|---------------|-----------|---------------|--------------|------------|-----------------------|--------------------|-------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------|
|                                             |  |             | No            | Ø<br>(mm) | Spread<br>(m) | Clear<br>(m) |            |                       |                    |                         | Survey Comment                |                                                                                                                                                                                                                                                                                                 |                                 |                                                       |
| H02                                         |  |             |               |           |               |              |            |                       |                    |                         |                               |                                                                                                                                                                                                                                                                                                 |                                 |                                                       |
| Cherry Laurel<br><i>Prunus laurocerasus</i> |  | 1           | 1             | 75        | N             | 1            | 0.5        | SM                    | A: 2.5<br>R: 0.89  | Good                    | C: Good<br>S: Good<br>B: Good | Linear hedge-line situated to the southern boundary line;<br>Hedge is comprised of circa 15+ stems; Hedge is regularly maintained on top and sides to current dimensions.                                                                                                                       | C.2<br>10+ yrs                  |                                                       |
| H03                                         |  |             |               |           |               |              |            |                       |                    |                         |                               |                                                                                                                                                                                                                                                                                                 |                                 |                                                       |
| Various<br><i>See comments for details</i>  |  | 1           | 1             | 75        | N             | 1            | 0.5        | SM                    | A: 2.5<br>R: 0.89  | Good                    | C: Good<br>S: Good<br>B: Good | Linear hedge-line situated to the southern boundary line;<br>Hedge is comprised of circa 15+ stems with species to include box and cherry laurel; Hedge is regularly maintained on top and sides to current dimensions.                                                                         | C.2<br>10+ yrs                  |                                                       |
| H04                                         |  |             |               |           |               |              |            |                       |                    |                         |                               |                                                                                                                                                                                                                                                                                                 |                                 |                                                       |
| Various<br><i>See comments for details</i>  |  | 1           | 1             | 75        | N             | 1            | 0.5        | SM                    | A: 2.5<br>R: 0.89  | Good                    | C: Good<br>S: Good<br>B: Good | Fragmented linear hedge-line situated to the southern boundary line; Hedge is comprised of circa 50+ stems with species to include box and cherry laurel; Hedge is regularly maintained on top and sides to current dimensions.                                                                 | C.2<br>10+ yrs                  |                                                       |
| H05                                         |  |             |               |           |               |              |            |                       |                    |                         |                               |                                                                                                                                                                                                                                                                                                 |                                 |                                                       |
| Various<br><i>See comments for details</i>  |  | 1           | 1             | 80        | N             | 1            | 0.5        | SM                    | A: 2.9<br>R: 0.96  | Good                    | C: Good<br>S: Good<br>B: Good | Fragmented linear hedge-line situated to the southern boundary line; Hedge is comprised of circa 50+ stems with species to include box and cherry laurel; Hedge is regularly maintained on top and sides to current dimensions.                                                                 | C.2<br>10+ yrs                  |                                                       |
| T01                                         |  |             |               |           |               |              |            |                       |                    |                         |                               |                                                                                                                                                                                                                                                                                                 |                                 |                                                       |
| Goat Willow<br><i>Salix caprea</i>          |  | 16          | 1             | 450       | N             | 5            | 4          | EM                    | A: 91.6<br>R: 5.39 | Good                    | C: Good<br>S: Ivy<br>B: Good  | Tree is situated towards the southern boundary line; Main stem leans to the east from base; Unable to gain a detailed inspection of main stem due to ivy; Main stem bifurcates to codominant stem at 4 m; Naturally occurring deadwood typical for species; Over all the tree is in good vigor. | B.1.2<br>20+ yrs                |                                                       |
|                                             |  |             |               |           |               |              |            |                       |                    |                         |                               |                                                                                                                                                                                                                                                                                                 |                                 |                                                       |
| Age Classifications:                        |  | N           | Newly planted | EM        | Early Mature  |              | Condition: |                       | C                  | Crown                   | Stems:                        |                                                                                                                                                                                                                                                                                                 | Ø                               | Diameter                                              |
|                                             |  | Y           | Young         | M         | Mature        |              |            |                       | S                  | Stem                    |                               |                                                                                                                                                                                                                                                                                                 | (Eq)                            | Equivalent stem diameter using BS5837:2012 definition |
|                                             |  | SM          | Semi-mature   | OM        | Over Mature   |              |            |                       | B                  | Basal area              | ERC:                          |                                                                                                                                                                                                                                                                                                 | Estimated Remaining Contributio |                                                       |

| Tree and Tag No<br>Species             |  | Hght<br>(m)  | Stems                                 |               | Crown                                 |                  | Age              | RP<br>A (m²)<br>R (m)     | Phys<br>Condition           | Structural<br>Condition       | Preliminary Recommendations                                                                                                                                                                                                                            |           |                                                                   | Cat<br>ERC                              |
|----------------------------------------|--|--------------|---------------------------------------|---------------|---------------------------------------|------------------|------------------|---------------------------|-----------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------|-----------------------------------------|
|                                        |  |              | No                                    | Ø<br>(mm)     | Spread<br>(m)                         | Clear<br>(m)     |                  |                           |                             |                               | Survey Comment                                                                                                                                                                                                                                         |           |                                                                   |                                         |
| T02                                    |  |              |                                       |               |                                       |                  |                  |                           |                             |                               |                                                                                                                                                                                                                                                        |           |                                                                   |                                         |
| Common Alder<br><i>Alnus glutinosa</i> |  | 17           | 1                                     | 480           | N<br>E<br>S<br>W                      | 5<br>4<br>5<br>7 | 7<br>7<br>7<br>7 | EM<br>A: 104.2<br>R: 5.75 | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated to the south; Main stem leans slightly to the south from base; Naturally occurring deadwood typical for species.                                                                                                                      |           |                                                                   | B.1.2<br>20+ yrs                        |
| T03                                    |  |              |                                       |               |                                       |                  |                  |                           |                             |                               |                                                                                                                                                                                                                                                        |           |                                                                   |                                         |
| Goat Willow<br><i>Salix caprea</i>     |  | 8            | 1                                     | 320           | N<br>E<br>S<br>W                      | 4<br>1<br>4<br>5 | 3<br>3<br>3<br>3 | SM<br>A: 46.3<br>R: 3.83  | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated towards the southern boundary line; Main stem leans to the west from base; Asymmetrical crown due to suppression from adjacent companion trees; Naturally occurring deadwood typical for species; Over all the tree is in good vigor. |           |                                                                   | B.1.2<br>20+ yrs                        |
| T04                                    |  |              |                                       |               |                                       |                  |                  |                           |                             |                               |                                                                                                                                                                                                                                                        |           |                                                                   |                                         |
| Common Alder<br><i>Alnus glutinosa</i> |  | 14           | 1                                     | 340           | N<br>E<br>S<br>W                      | 4<br>3<br>4<br>3 | 4<br>4<br>4<br>4 | EM<br>A: 52.3<br>R: 4.08  | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated to the south; Naturally occurring deadwood typical for species.                                                                                                                                                                       |           |                                                                   | B.1.2<br>20+ yrs                        |
| T05                                    |  |              |                                       |               |                                       |                  |                  |                           |                             |                               |                                                                                                                                                                                                                                                        |           |                                                                   |                                         |
| Common Alder<br><i>Alnus glutinosa</i> |  | 11           | 1                                     | 110           | N<br>E<br>S<br>W                      | 1<br>2<br>2<br>2 | 4<br>3<br>3<br>3 | SM<br>A: 5.5<br>R: 1.32   | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated to the western boundary line; Asymmetrical crown due to suppression from adjacent companion trees; Naturally occurring deadwood typical for species.                                                                                  |           |                                                                   | C.1.2<br>10+ yrs                        |
| T06                                    |  |              |                                       |               |                                       |                  |                  |                           |                             |                               |                                                                                                                                                                                                                                                        |           |                                                                   |                                         |
| Common Alder<br><i>Alnus glutinosa</i> |  | 11           | 1                                     | 210           | N<br>E<br>S<br>W                      | 3<br>2<br>1<br>2 | 4<br>4<br>4<br>4 | SM<br>A: 20<br>R: 2.52    | Fair                        | C: Good<br>S: Fair<br>B: Good | Tree is situated to the western boundary line; Historical mechanical damage to the main stem on the eastern aspect at 3 m where wound has not yet occluded; Sparse foliage density throughout crown; Naturally occurring deadwood typical for species. |           |                                                                   | C.1.2<br>10+ yrs                        |
|                                        |  |              |                                       |               |                                       |                  |                  |                           |                             |                               |                                                                                                                                                                                                                                                        |           |                                                                   |                                         |
| Age Classifications:                   |  | N<br>Y<br>SM | Newly planted<br>Young<br>Semi-mature | EM<br>M<br>OM | Early Mature<br>Mature<br>Over Mature | Condition:       |                  | C<br>S<br>B               | Crown<br>Stem<br>Basal area | Stems:                        |                                                                                                                                                                                                                                                        | Ø<br>(Eq) | Diameter<br>Equivalent stem diameter using BS5837:2012 definition | ERC:<br>Estimated Remaining Contributio |

| Tree and Tag No<br>Species |  | Hght<br>(m) | Stems         |           | Crown         |              | Age        | RP<br>A (m²)<br>R (m) | Phys<br>Condition | Structural<br>Condition | Preliminary Recommendations |                                                                                                                                                                                                                                                                                                                                   |                                 | Cat<br>ERC                                            |  |
|----------------------------|--|-------------|---------------|-----------|---------------|--------------|------------|-----------------------|-------------------|-------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------|--|
|                            |  |             | No            | Ø<br>(mm) | Spread<br>(m) | Clear<br>(m) |            |                       |                   |                         | Survey Comment              |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| T07                        |  |             |               |           |               |              |            |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| Silver Birch               |  | 14          | 1             | 340       | N             | 4            | 3          | SM                    | A: 52.3           | Good                    | C: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 | B.1.2                                                 |  |
| Betula pendula             |  |             |               |           | E             | 3            | 3          |                       | R: 4.08           |                         | S: Good                     | Tree is situated towards the western boundary line; Naturally occurring deadwood typical for species.                                                                                                                                                                                                                             | 20+ yrs                         |                                                       |  |
|                            |  |             |               |           | S             | 3            | 4          |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
|                            |  |             |               |           | W             | 4            | 4          |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| T08 385                    |  |             |               |           |               |              |            |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| Scots Pine                 |  | 9           | 1             | 390       | N             | 6            | 4          | SM                    | A: 68.8           | Good                    | C: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 | B.1                                                   |  |
| Pinus sylvestris           |  |             |               |           | E             | 5            | 3          |                       | R: 4.67           |                         | S: Good                     | Tree is situated within raised planing pit towards the eastern boundary; Main stem leans to the west from base then straightens at 1 m; Main stem bifurcates to codominant stem at 3 m; Historically pruned to the eastern lateral extent to non appropriate attachment points; Naturally occurring deadwood typical for species. | 20+ yrs                         |                                                       |  |
|                            |  |             |               |           | S             | 6            | 3          |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
|                            |  |             |               |           | W             | 5            | 3          |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| T09                        |  |             |               |           |               |              |            |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| Scots Pine                 |  | 10          | 1             | 370       | N             | 4            | 3          | SM                    | A: 61.9           | Good                    | C: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 | B.1                                                   |  |
| Pinus sylvestris           |  |             |               |           | E             | 4            | 3          |                       | R: 4.43           |                         | S: Good                     | Tree is situated within raised planing pit towards the eastern boundary; Ring bulge from base of tree on all aspects; Historically pruned to the eastern and western lateral extent to non appropriate attachment points; Naturally occurring deadwood typical for species.                                                       | 20+ yrs                         |                                                       |  |
|                            |  |             |               |           | S             | 5            | 3          |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
|                            |  |             |               |           | W             | 5            | 3          |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| T10 387                    |  |             |               |           |               |              |            |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| Common Holly               |  | 10          | 1             | 410       | N             | 2            | 4          | SM                    | A: 76.1           | Good                    | C: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 | B.1.2                                                 |  |
| Ilex aquifolium            |  |             |               |           | E             | 2            | 4          |                       | R: 4.92           |                         | S: Good                     | Tree is situated towards the eastern boundary line; Historical damage to the northern aspect of main stem at 3 m where wound has occluded; Main stem trifurcates at 3 m; Asymmetrical crown due to suppression from adjacent companion trees; Natural bracing throughout crown; Naturally occurring deadwood typical for species. | 20+ yrs                         |                                                       |  |
|                            |  |             |               |           | S             | 3            | 4          |                       |                   |                         | B: Good                     |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
|                            |  |             |               |           | W             | 3            | 4          |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
|                            |  |             |               |           |               |              |            |                       |                   |                         |                             |                                                                                                                                                                                                                                                                                                                                   |                                 |                                                       |  |
| Age Classifications:       |  | N           | Newly planted | EM        | Early Mature  |              | Condition: |                       | C                 | Crown                   | Stems:                      |                                                                                                                                                                                                                                                                                                                                   | Ø                               | Diameter                                              |  |
|                            |  | Y           | Young         | M         | Mature        |              |            |                       | S                 | Stem                    |                             |                                                                                                                                                                                                                                                                                                                                   | (Eq)                            | Equivalent stem diameter using BS5837:2012 definition |  |
|                            |  | SM          | Semi-mature   | OM        | Over Mature   |              |            |                       | B                 | Basal area              | ERC:                        |                                                                                                                                                                                                                                                                                                                                   | Estimated Remaining Contributio |                                                       |  |

| Tree and Tag No<br>Species                             |  | Hght<br>(m)  | Stems                                 |               | Crown                                 |              | Age | RP<br>A (m²)<br>R (m) | Phys<br>Condition           | Structural<br>Condition | Preliminary Recommendations          |                                                                                                                                                                                                                                                                                                                               |                                                                   | Cat<br>ERC                              |
|--------------------------------------------------------|--|--------------|---------------------------------------|---------------|---------------------------------------|--------------|-----|-----------------------|-----------------------------|-------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------|
|                                                        |  |              | No                                    | Ø<br>(mm)     | Spread<br>(m)                         | Clear<br>(m) |     |                       |                             |                         | Survey Comment                       |                                                                                                                                                                                                                                                                                                                               |                                                                   |                                         |
| T11                                                    |  |              |                                       |               |                                       |              |     |                       |                             |                         |                                      | Estimated Measurements                                                                                                                                                                                                                                                                                                        |                                                                   |                                         |
| Common Horse Chestnut<br><i>Aesculus hippocastanum</i> |  | 12           | 1                                     | 630           | N                                     | 7            | 5   | EM                    | A: 179.6<br>R: 7.56         | Good                    | C: Good<br>S: Good<br>B: Not visible | Tree is situated off site to the eastern boundary line; Unable to gain a detailed inspection of base due to restricted access; Main stem bifurcates at 3 m to codominant stem; Historically pruned to the northern aspect of main stem at 4-5 m where wounds have occluded; Naturally occurring deadwood typical for species. |                                                                   | B.1.2<br>20+ yrs                        |
| T12                                                    |  |              |                                       |               |                                       |              |     |                       |                             |                         |                                      | Estimated Measurements                                                                                                                                                                                                                                                                                                        |                                                                   |                                         |
| Common Holly<br><i>Ilex aquifolium</i>                 |  | 9            | 1                                     | 410           | N                                     | 2            | 4   | SM                    | A: 76.1<br>R: 4.92          | Good                    | C: Good<br>S: Good<br>B: Good        | Tree is situated towards the eastern boundary line; Main stem bifurcates at 2 m to codominant stem; Asymmetrical crown due to suppression from adjacent companion trees; Natural bracing throughout crown; Naturally occurring deadwood typical for species.                                                                  |                                                                   | B.1.2<br>20+ yrs                        |
| T13                                                    |  |              |                                       |               |                                       |              |     |                       |                             |                         |                                      | Estimated Measurements                                                                                                                                                                                                                                                                                                        |                                                                   |                                         |
| Scots Pine<br><i>Pinus sylvestris</i>                  |  | 12           | 1                                     | 420           | N                                     | 1            | 8   | SM                    | A: 79.8<br>R: 5.03          | Good                    | C: Good<br>S: Fair<br>B: Not visible | Tree is situated off site to the eastern boundary line; Historical limb failure at 3 m to northern aspect of main stem where wound has not yet occluded; Heavy lean to the south west at 6 m; Naturally occurring deadwood typical for species.                                                                               |                                                                   | B.1.2<br>20+ yrs                        |
| T14                                                    |  |              |                                       |               |                                       |              |     |                       |                             |                         |                                      | Estimated Measurements                                                                                                                                                                                                                                                                                                        |                                                                   |                                         |
| Lawson Cypress<br><i>Chamaecyparis lawsoniana</i>      |  | 8            | 1                                     | 320           | N                                     | 1            | 0.5 | SM                    | A: 46.3<br>R: 3.83          | Good                    | C: Good<br>S: Good<br>B: Good        | Tree is situated to the northern boundary line; No notable features.                                                                                                                                                                                                                                                          |                                                                   | B.1.2<br>20+ yrs                        |
| T15                                                    |  |              |                                       |               |                                       |              |     |                       |                             |                         |                                      | Estimated Measurements                                                                                                                                                                                                                                                                                                        |                                                                   |                                         |
| Lawson Cypress<br><i>Chamaecyparis lawsoniana</i>      |  | 6            | 1                                     | 260           | N                                     | 1            | 0.5 | SM                    | A: 30.6<br>R: 3.12          | Fair                    | C: Fair<br>S: Good<br>B: Good        | Tree is situated to the northern boundary line; Visible browning to the eastern and western aspect; Low foliage density throughout crown.                                                                                                                                                                                     |                                                                   | C.1.2<br>10+ yrs                        |
|                                                        |  |              |                                       |               |                                       |              |     |                       |                             |                         |                                      |                                                                                                                                                                                                                                                                                                                               |                                                                   |                                         |
| Age Classifications:                                   |  | N<br>Y<br>SM | Newly planted<br>Young<br>Semi-mature | EM<br>M<br>OM | Early Mature<br>Mature<br>Over Mature | Condition:   |     | C<br>S<br>B           | Crown<br>Stem<br>Basal area | Stems:                  |                                      | Ø<br>(Eq)                                                                                                                                                                                                                                                                                                                     | Diameter<br>Equivalent stem diameter using BS5837:2012 definition | ERC:<br>Estimated Remaining Contributio |

| Tree and Tag No<br>Species                        |  | Hght<br>(m)  | Stems                                 |               | Crown                                 |              | Age | RP<br>A (m²)<br>R (m) | Phys<br>Condition           | Structural<br>Condition                                                                                                            | Preliminary Recommendations   |                                                                                                                                                                                                                                                                                                                                                  |                  | Cat<br>ERC |
|---------------------------------------------------|--|--------------|---------------------------------------|---------------|---------------------------------------|--------------|-----|-----------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
|                                                   |  |              | No                                    | Ø<br>(mm)     | Spread<br>(m)                         | Clear<br>(m) |     |                       |                             |                                                                                                                                    | Survey Comment                |                                                                                                                                                                                                                                                                                                                                                  |                  |            |
| T16                                               |  |              |                                       |               |                                       |              |     |                       |                             |                                                                                                                                    |                               |                                                                                                                                                                                                                                                                                                                                                  |                  |            |
| Lawson Cypress<br><i>Chamaecyparis lawsoniana</i> |  | 8            | 1                                     | 330           | N                                     | 1            | 0.5 | SM                    | A: 49.3<br>R: 3.96          | Good                                                                                                                               | C: Good<br>S: Good<br>B: Good | Tree is situated to the northern boundary line; No notable features.                                                                                                                                                                                                                                                                             | B.1.2<br>20+ yrs |            |
| T17                                               |  |              |                                       |               |                                       |              |     |                       |                             |                                                                                                                                    |                               |                                                                                                                                                                                                                                                                                                                                                  |                  |            |
| Norway Maple<br><i>Acer platanoides</i>           |  | 17           | 1                                     | 740           | N                                     | 3            | 10  | M                     | A: 247.8<br>R: 8.88         | Good                                                                                                                               | C: Good<br>S: Good<br>B: Good | Tree is situated to the north of 'Table Table's restaurant; Surface roots exposed to northern and eastern aspect of base; Historically pruned to the southern lateral extent to non appropriate attachment points; Asymmetrical crown due to suppression from adjacent companion trees; Naturally occurring deadwood typical for species.        | B.1.2<br>20+ yrs |            |
| T18                                               |  |              |                                       |               |                                       |              |     |                       |                             |                                                                                                                                    |                               |                                                                                                                                                                                                                                                                                                                                                  |                  |            |
| Common Beech<br><i>Fagus sylvatica</i>            |  | 17           | 1                                     | 1020          | N                                     | 9            | 3   | M                     | A: 470.7<br>R: 12.24        | Good                                                                                                                               | C: Good<br>S: Good<br>B: Good | Tree is situated to the north of 'Table Table' restaurant; Surface roots exposed to western aspect of base; Historically pruned to the southern and western aspect of main stem at 3-5 m where wounds have fully occluded; Asymmetrical crown due to suppression from adjacent companion tree; Naturally occurring deadwood typical for species. | A.1.2<br>40+ yrs |            |
| T19                                               |  |              |                                       |               |                                       |              |     |                       |                             |                                                                                                                                    |                               |                                                                                                                                                                                                                                                                                                                                                  |                  |            |
| Common Yew<br><i>Taxus baccata</i>                |  | 7            | 1                                     | 520           | N                                     | 3            | 1   | SM                    | A: 122.3<br>R: 6.23         | Good                                                                                                                               | C: Good<br>S: Good<br>B: Good | Tree is situated towards the northern boundary; Surface roots exposed on all aspects of base; Historical pruning to southern extent of main stem at 2 m to appropriate attachment point where wound has not yet occluded; Naturally occurring deadwood typical for species.                                                                      | B.1.2<br>20+ yrs |            |
| T20                                               |  |              |                                       |               |                                       |              |     |                       |                             |                                                                                                                                    |                               |                                                                                                                                                                                                                                                                                                                                                  |                  |            |
| Common Beech<br><i>Fagus sylvatica</i>            |  | 21           | 1                                     | 1000          | N                                     | 11           | 5   | M                     | A: 452.4<br>R: 12           | Good                                                                                                                               | C: Good<br>S: Good<br>B: Good | Tree is situated within the gardens of 'Table Table' restaurant; Historically pruned to the northern and western aspect of main stem where wounds have fully occluded; Naturally occurring deadwood typical for species.                                                                                                                         | A.1.2<br>40+ yrs |            |
| Age Classifications:                              |  | N<br>Y<br>SM | Newly planted<br>Young<br>Semi-mature | EM<br>M<br>OM | Early Mature<br>Mature<br>Over Mature | Condition:   |     | C<br>S<br>B           | Crown<br>Stem<br>Basal area | Stems:<br><br>Ø Diameter<br>(Eq) Equivalent stem diameter using BS5837:2012 definition<br><br>ERC: Estimated Remaining Contributio |                               |                                                                                                                                                                                                                                                                                                                                                  |                  |            |

| Tree and Tag No<br>Species                      | Hght<br>(m)  | Stems                                 |               | Crown                                 |                      | Age                  | RP<br>A (m²)<br>R (m)     | Phys<br>Condition | Structural<br>Condition       | Preliminary Recommendations                                                                                                                                                                                              |                                                                          |      | Cat<br>ERC                      |
|-------------------------------------------------|--------------|---------------------------------------|---------------|---------------------------------------|----------------------|----------------------|---------------------------|-------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------|---------------------------------|
|                                                 |              | No                                    | Ø<br>(mm)     | Spread<br>(m)                         | Clear<br>(m)         |                      |                           |                   |                               | Survey Comment                                                                                                                                                                                                           |                                                                          |      |                                 |
| T21                                             |              |                                       |               |                                       |                      |                      |                           |                   |                               |                                                                                                                                                                                                                          |                                                                          |      |                                 |
| Common Hornbeam<br><i>Carpinus betulus</i>      | 20           | 1                                     | 980           | N<br>E<br>S<br>W                      | 12<br>10<br>9<br>9   | 4<br>4<br>4<br>4     | M<br>A: 434.5<br>R: 11.76 | Good              | C: Good<br>S: Good<br>B: Good | Tree is situated to the northern boundary line; Naturally occurring deadwood typical for species.                                                                                                                        |                                                                          |      | A.1.2<br>40+ yrs                |
| T22                                             |              |                                       |               |                                       |                      |                      |                           |                   |                               |                                                                                                                                                                                                                          |                                                                          |      |                                 |
| Common Beech<br><i>Fagus sylvatica</i>          | 21           | 1                                     | 1250          | N<br>E<br>S<br>W                      | 11<br>10<br>11<br>12 | 5<br>5<br>5<br>5     | M<br>A: 706.9<br>R: 15    | Good              | C: Good<br>S: Good<br>B: Good | Tree is situated within the gardens of 'Table Table' restaurant; Historically pruned to the northern and western aspect of main stem where wounds have fully occluded; Naturally occurring deadwood typical for species. |                                                                          |      | A.1.2<br>40+ yrs                |
| T23                                             |              |                                       |               |                                       |                      |                      |                           |                   |                               |                                                                                                                                                                                                                          |                                                                          |      |                                 |
| Silver Birch<br><i>Betula pendula</i>           | 17           | 1                                     | 710           | N<br>E<br>S<br>W                      | 5<br>10<br>9<br>9    | 5<br>3<br>4<br>2     | M<br>A: 228.1<br>R: 8.52  | Good              | C: Good<br>S: Good<br>B: Fair | Tree is situated in the gardens of 'Table Table' restaurant; Open cavity to base of northern aspect from group level to 150 mm in height X 130 mm in width; Naturally occurring deadwood typical for species.            |                                                                          |      | B.1.2<br>20+ yrs                |
| T24                                             |              |                                       |               |                                       |                      |                      |                           |                   |                               |                                                                                                                                                                                                                          |                                                                          |      |                                 |
| Monkey Puzzle Tree<br><i>Araucaria araucana</i> | 17           | 1                                     | 760           | N<br>E<br>S<br>W                      | 5<br>5<br>5<br>5     | 13<br>13<br>13<br>13 | M<br>A: 261.3<br>R: 9.11  | Good              | C: Good<br>S: Good<br>B: Good | Tree is situated to the western boundary line; Naturally occurring deadwood typical for species.                                                                                                                         |                                                                          |      | B.1.2<br>20+ yrs                |
| T25                                             |              |                                       |               |                                       |                      |                      |                           |                   |                               |                                                                                                                                                                                                                          |                                                                          |      |                                 |
| Austrian Pine<br><i>Pinus nigra ssp. Nigra</i>  | 17           | 1                                     | 640           | N<br>E<br>S<br>W                      | 3<br>2<br>5<br>5     | 3<br>10<br>4<br>4    | M<br>A: 185.3<br>R: 7.68  | Good              | C: Good<br>S: Good<br>B: Good | Tree is situated to the western boundary line; Asymmetrical crown due to suppression from adjacent companion trees; Naturally occurring deadwood typical for species.                                                    |                                                                          |      | B.1.2<br>20+ yrs                |
|                                                 |              |                                       |               |                                       |                      |                      |                           |                   |                               |                                                                                                                                                                                                                          |                                                                          |      |                                 |
| Age Classifications:                            | N<br>Y<br>SM | Newly planted<br>Young<br>Semi-mature | EM<br>M<br>OM | Early Mature<br>Mature<br>Over Mature | Condition:           |                      |                           | C<br>S<br>B       | Crown<br>Stem<br>Basal area   | Stems:                                                                                                                                                                                                                   | Ø Diameter<br>(Eq) Equivalent stem diameter using BS5837:2012 definition | ERC: | Estimated Remaining Contributio |

| Tree and Tag No<br>Species                      | Hght<br>(m)  | Stems                                 |               | Crown                                 |                  | Age              | RP<br>A (m²)<br>R (m)    | Phys<br>Condition           | Structural<br>Condition       | Preliminary Recommendations                                                                                                                                                                                                                                                                                                                            |      | Cat<br>ERC                      |
|-------------------------------------------------|--------------|---------------------------------------|---------------|---------------------------------------|------------------|------------------|--------------------------|-----------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------|
|                                                 |              | No                                    | Ø<br>(mm)     | Spread<br>(m)                         | Clear<br>(m)     |                  |                          |                             |                               | Survey Comment                                                                                                                                                                                                                                                                                                                                         |      |                                 |
| T26                                             |              |                                       |               |                                       |                  |                  |                          |                             |                               |                                                                                                                                                                                                                                                                                                                                                        |      |                                 |
| Common Yew<br><i>Taxus baccata</i>              | 8            | 2                                     | 334 (Eq)      | N<br>E<br>S<br>W                      | 3<br>3<br>3<br>3 | 1<br>1<br>1<br>1 | M<br>A: 50.5<br>R: 4     | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated towards the western boundary line; Subsidiary stems from base comprised of 11No stems; Dimensions recorded main stem and average for subsidiary stems; Historically pruned to the lateral extent on all aspects to appropriate attachment points; Natural bracing throughout crown; Naturally occurring deadwood typical for species. |      | B.1.2<br>20+ yrs                |
| T27                                             |              |                                       |               |                                       |                  |                  |                          |                             |                               |                                                                                                                                                                                                                                                                                                                                                        |      |                                 |
| Monkey Puzzle Tree<br><i>Araucaria araucana</i> | 17           | 1                                     | 720           | N<br>E<br>S<br>W                      | 4<br>4<br>4<br>4 | 3<br>3<br>3<br>3 | M<br>A: 234.5<br>R: 8.63 | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated to the western boundary line; Naturally occurring deadwood typical for species.                                                                                                                                                                                                                                                       |      | B.1.2<br>20+ yrs                |
| T28                                             |              |                                       |               |                                       |                  |                  |                          |                             |                               |                                                                                                                                                                                                                                                                                                                                                        |      |                                 |
| Pear<br><i>Pyrus Spp.</i>                       | 6            | 1                                     | 240           | N<br>E<br>S<br>W                      | 2<br>2<br>2<br>2 | 2<br>2<br>2<br>2 | SM<br>A: 26.1<br>R: 2.88 | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated to the west of 'Table Table' restaurant; No notable features.                                                                                                                                                                                                                                                                         |      | B.1.2<br>20+ yrs                |
| T29                                             |              |                                       |               |                                       |                  |                  |                          |                             |                               |                                                                                                                                                                                                                                                                                                                                                        |      |                                 |
| Pear<br><i>Pyrus Spp.</i>                       | 6            | 1                                     | 220           | N<br>E<br>S<br>W                      | 2<br>2<br>2<br>2 | 2<br>2<br>2<br>2 | SM<br>A: 21.9<br>R: 2.64 | Good                        | C: Good<br>S: Good<br>B: Good | Tree is situated to the west of 'Table Table' restaurant; No notable features.                                                                                                                                                                                                                                                                         |      | B.1.2<br>20+ yrs                |
| T30                                             |              |                                       |               |                                       |                  |                  |                          |                             |                               |                                                                                                                                                                                                                                                                                                                                                        |      |                                 |
| Monkey Puzzle Tree<br><i>Araucaria araucana</i> | 5            | 1                                     | 300           | N<br>E<br>S<br>W                      | 2<br>2<br>2<br>2 | 1<br>1<br>1<br>1 | SM<br>A: 40.7<br>R: 3.59 | Dead                        | C: Poor<br>S: Poor<br>B: Fair | Tree is dead standing.                                                                                                                                                                                                                                                                                                                                 |      | U<br>n/a                        |
|                                                 |              |                                       |               |                                       |                  |                  |                          |                             |                               |                                                                                                                                                                                                                                                                                                                                                        |      |                                 |
| Age Classifications:                            | N<br>Y<br>SM | Newly planted<br>Young<br>Semi-mature | EM<br>M<br>OM | Early Mature<br>Mature<br>Over Mature | Condition:       |                  | C<br>S<br>B              | Crown<br>Stem<br>Basal area | Stems:                        | Ø Diameter<br>(Eq) Equivalent stem diameter using BS5837:2012 definition                                                                                                                                                                                                                                                                               | ERC: | Estimated Remaining Contributio |



## **Appendix 2: Tree Protection Notice**

(To be printed at A3 or larger)

# Tree Protection Area **KEEP OUT**

Do not move this fence

**(TOWN & COUNTRY PLANNING ACT 1990)**

**TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS  
AND/OR ARE THE SUBJECT OF A TREE PRESERVATION ORDER.  
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL  
PROSECUTION**

**ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN  
PERMISSION OF THE LOCAL PLANNING AUTHORITY**



Unit 3, Well House Barn, Chester Road, Chester, CH4 0DH  
<https://arbtech.co.uk> - 01244 661170

## Appendix 3: Contact Details

| Name | Position                | Company                 | Contact                                                                   |
|------|-------------------------|-------------------------|---------------------------------------------------------------------------|
|      | Client                  |                         |                                                                           |
|      | Agent / Project Manager |                         |                                                                           |
|      | Tree Officer            |                         |                                                                           |
|      | Project Arboriculturist | Arbtech Consulting Ltd. | 01244 661170<br><a href="https://arbtech.co.uk">https://arbtech.co.uk</a> |
|      | Site Manager            |                         |                                                                           |
|      | Main contractor         |                         |                                                                           |
|      |                         |                         |                                                                           |
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