



October 2023  
CBA11012PA v1A

FIP West End Ltd

# ARBORICULTURAL IMPLICATIONS ASSESSMENT

Site:  
Chalcroft Business Park -  
Paddock Area



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*The Complete Arboricultural Consultancy*



## ARBORICULTURAL IMPLICATIONS ASSESSMENT

|                            |                                                              |
|----------------------------|--------------------------------------------------------------|
| Client:                    | FIP West End Ltd                                             |
| Site:                      | The Paddock Area at Chalcroft Business Park                  |
| Arboricultural Consultant: | Stefan Rose <i>BSc (Hons), Tech Cert ArborA, TechArbor.A</i> |
| Date:                      | October 2023                                                 |

### 1.0 INTRODUCTION

- 1.1 This Arboricultural Implications Assessment (AIA) is for an outline planning application development at the Paddock Area at Chalcroft Business Park that is designated for development within the approved local Plan of Eastleigh Borough Council. The outline application is for up to 4,130sqm of commercial floorspace (Use Classes E(g)(ii), (iii) and B8) to include farm shop (Use Class E(a)) of up to 327sqm, parking and yard areas (including accessible spaces), landscape buffers and acoustic mitigation. Formation of vehicular and pedestrian access to Estate Road (access not a reserved matter).
- 1.2 The application area covers approximately 1.8ha of undeveloped land, known as the Paddock, situated adjacent to Chalcroft Business Park. Access is proposed off the estate road to Chalcroft Business Park, which connects to the new roundabout at the junction of Burnetts Lane and Chalcroft Way, the latter forming the future connection to the consented One Horton Heath development.
- 1.3 The main components of the scheme are:
- 7 new employment buildings - Use Class E(g) (ii) (iii), B8 and supporting floorspace.
  - A new farm shop.
  - Employment buildings have a height of 6-8m to haunch.
  - Generous structural landscape buffers around the periphery of the site.
  - A landscape buffer to the SINC (20m in depth) in the southeastern corner of the site.
  - Parking spaces: a total of 97 spaces including 8 accessible spaces are provided across the site (67 spaces for employment uses and 20 spaces for the farm shop).

- 1.4 This is an assessment of the Arboricultural Implications that the proposal will have on the site and the tree stock based on drawings provided by the client:
- Topographical Survey, reference: SOR013016 Topographic Survey
  - Proposed Site Plan, reference:  
22093 1003\_1401\_1402\_1403\_2001\_1501\_1502-Paddock Site Plans
- 1.5 The above topographical plan has been the basis of the tree survey and Tree Survey Plan which has then been overlaid with the proposed plans to produce the Indicative Tree Protection Plan (CBA11012PA.02A TPP).
- 1.6 This AIA will highlight areas of conflict, trees, groups or hedges that can be retained, trees, groups or hedges that will need to be removed (where necessary) and ways to mitigate the proposals on the existing trees that may be implicated by the proposal or through construction activities to implement the proposal.
- 1.7 **Note:** Any mitigating build techniques for working methodologies etc. that are detailed within this assessment must be agreed upon/accepted to ensure that post planning approval, tree protection is in place and trees that are detailed for retention are retained are not removed because working practices have not considered the implications on trees.

## 2.0 SCOPE AND PURPOSE OF REPORT

- 2.1 This AIA considers the implications of the development of the Paddock Area adjacent to the Chalcroft Business Park as described above. It considers any mitigation measures relating to trees and their impact upon the existing tree stock, and also provides solutions to any implications where possible, to ensure the safe and healthy retention of any trees which are considered to be worthy of retention should the proposals be put forward for planning permission.
- 2.2 This AIA only considers the implications of the works which are illustrated on the drawings detailed above. If any changes to the proposed layout occur, then further advice should be sought.

## 3.0 DEFINITION OF ROOT PROTECTION AREA (RPA)

- 3.1 The RPA of a tree is defined in BS5837:2012 as a “*layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree’s viability, and where the protection of the roots and soil structure is treated as a priority*”. This is calculated as an area based on the stem diameter of the tree. It is usually considered to be a circular shape centred on the trunk of the tree, unless an arboriculturist considers site factors may have affected this.
- 3.2 For this site, root protection areas remain unmodified from the polygon shape.

- 3.3 T32 is considered to be a veteran tree and its root protection linear distance and protection area are calculated using the greater 15x stem diameter calculation as recommended by government standing advice.

#### **4.0 TREE PRESERVATION ORDER STATUS**

- 4.1 Eastleigh Borough Council served an Area Tree Preservation Order with reference TPO-876-E on 22nd June 2023 which protects all tree species on site.
- 4.2 It is advised that if it is intended to carry out works to any of the trees prior to the granting of Full Planning Consent and Discharge of Planning Conditions that contains details of specific tree works, checks should be made with Eastleigh Borough Council to ascertain the legal protection status of trees prior to works commencing as online mapping information may not be fully up to date at the time the check was made and legal protection to the trees could have been served after the compiling of this report.

#### **5.0 TREE ASSESSMENT**

- 5.1 CBA Trees undertook a tree survey in accordance with BS5837:2012 on 10<sup>th</sup> July 2023. The tree survey exercise identified 12 individual trees and 5 groups of trees with 46 noted trees within and 3 hedges; the Tree Survey Schedule and Tree Survey Plan (CBA11012PA.01B TSP) are appended at CB1.
- 5.2 Since the original tree survey of 2018, Tree 35 has been removed and a noted tree G17.22 has failed.
- 5.3 **Tree Categorisation Method**

**Category U =** Trees in such a condition that any value would be lost within 10 years or should be removed for reasons of sound arboricultural management. There was 1 (one) noted tree within Group 17 categorised as 'U' grade.

**• Noted Trees: G17.2**

**NOTE:** *"Category U trees are those in such a condition they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years."*

**Category A =** Trees of high quality and value: in such a condition as to make a substantial contribution, (40 years or more is recommended). There were 3 (three) individual tree categorised as 'A' grade.

**• Individual tree: 26, 31 and 32**

**Category B =** Trees of moderate quality and value, capable of making a significant contribution for more than 20 years. There were 2 (two) individual trees and 2 (two) groups of trees and 18 (eighteen) noted trees within groups categorised as 'B' grade:

- **Individual trees:** 25 and 28
- **Groups:** G14 and G17
- **Noted Trees:** G14.1-G14.9, G14.11, G17.1, G17.18-G17.21, G17.23, G17.24

**Category C =** Trees of low quality and value which might remain for a minimum of 10 years or young trees with stems of less than 150mm diameter. There were 6 (six) individual trees and 3 (three) groups of trees and 26 (twenty-six) noted trees within groups categorised as 'C' grade.

- **Individual trees:** 24, 27, 29, 30, 33 and 34
- **Groups:** G13, G15 and G16
- **Noted Trees:** G14.10, G17.3-G17.17, G17.25-G17.35

**NOTE:** *"Trees under these categories are trees that should be a material consideration in the development process; the subcategories are intended to reflect arboricultural, landscape and cultural values respectively."*

- 5.4 For more details of the existing tree stock, refer to the Tree Survey Schedule (appended at CB1).

## **6.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT**

- 6.1 As part of the assessment, dimensions have been scaled from the proposed drawing no. reference 22093 1003\_1401\_1402\_1403\_2001\_1501\_1502-Paddock Site Plans provided by the client, modified to include the relevant tree survey data.
- 6.2 The potential for damage to trees comes from a general lack of onsite awareness and the need to protect not just the physical tree but also the area where the trees grow.
- 6.3 Damage to the trees may be in the form of direct damage where roots are cut, ripped, snapped or shattered for ground works such as drainage, services or foundations or alternatively where the trunks/branches are struck by plant machine movements or snapped by contractors where branches are in close proximity to the build.
- 6.4 Trees can also be damaged through indirect causes such as through compaction of the soft ground from the moving of plant machinery or the storage of materials as well as through phototoxic damage from mixing of

materials damaging and compromising the tree's roots and rooting environment.

- 6.5 CBA Trees has not been provided with the levels of the proposed site nor the locations of service/drainage for the build as these details are not fully available at this stage of the outline application. It is understood that the majority of levels will be retained as they are.
- 6.6 Items such as contractor compound, parking and welfare offices, delivery of materials, storage of materials, mixing of concrete/mortar will all need to be considered prior to any commencement of works on site so that any potential damage to trees from these are removed or reduced. This can be detailed within a full application or through appropriate planning conditions to ensure any potential impacts on trees and groups are avoided.
- 6.7 Trees T32 and T34 will have new hard standing within the perimeter of the theoretical root protection areas. This new hard standing will need to be designed to have a minimal or no dig design to reduce the impact on these trees. Methodologies and the design of the hard surfacing can be detailed within a full application or through appropriate planning conditions to ensure the potential impacts on these trees are avoided.
- 6.8 The proposed substation and new site entrance will require the removal of sections of Hedges 1 and 2.
- 6.9 Building F has the potential to adversely impact on T34, G14.11 and the retained section of Group 15 if precautions and the design does not consider the impact on them during the detailed design stage and how these areas need to be constructed to reduce the impact on these trees and groups.
- 6.10 Trees of poor quality or health and trees that are considered to have a short useful life expectancy and are therefore not considered worthy of retention will be made safe and retained for habitat value within the SINC:

**Noted Tree: G17.2**

- 6.11 Trees that are under the footprint of development or where the rooting areas are significantly impacted upon will be removed, these are:

**Trees:** 25 and 26

- 6.12 Trees, groups and hedges that can be retained within the current layout with minimal impact to them (crown pruning, minor rooting area infringement) if correct tree protection measures are established are:

**Trees:** 30, 32 and 34

**Groups:** 14 (see below) and 15

**Noted trees in Groups:** G14.9 and G14.11

**Hedges:** 1 and 2 (both in part)

- 6.13 Hedges that can be retained in part but will have small sections removed as sections are under the footprint of development for the new access and new substation:

**Hedges:** 1 and 2 (both in part)

- 6.14 Trees that can be retained within the current layout with no impact to the theoretical root protection area with the correct tree protection measures established are:

**Trees:** 24, 27, 28, 29, 31 and 33

**Groups:** 13, 16 and 17

**Hedges:** 3

## **7.0 PRE-DEVELOPMENT TREE WORKS**

- 7.1 All tree works, once full planning permission has been granted, will be undertaken prior to the commencement of site preparation and construction works.

- 7.2 **All permitted or approved tree work** should be carried out in accordance with the British Standard “*Recommendations for Tree Work*” BS3998:2010, by suitably qualified and experienced professional arborists. Under no circumstances shall site personnel undertake any tree pruning operations. All tree surgery works should be carried out prior to the development of the site, and erection of protective barriers.

- 7.3 If any works are required to retained trees protected by a TPO prior to full planning permission being granted that details tree works, written approval must be obtained in advance from Eastleigh Borough Council.

- 7.4 Consideration should be given to the timing of the proposed tree works to avoid the active growing period of trees. Therefore, all tree work should ideally be carried out during the dormant period from November through to February and then again from June to August.

- 7.5 Due to the official bird nesting season considered to be from 1<sup>st</sup> March through to the 31<sup>st</sup> July (Natural England) depending on weather conditions, consideration must also be given to the potential for nesting birds. Therefore, if tree work is to be carried out within these months the project ecologist must be consulted to:

- Complete or advise on a pre-works survey which needs to be carried out by a suitably competent person. As a general rule, it should be assumed that birds will be nesting in trees, and it is down to contactors to assess, record and confirm that any works carried out in the management of trees and other vegetation has not disturbed actively nesting birds\*.

- Ground vegetation, and therefore ground nesting birds, can often be overlooked by tree workers so additional care and controls should be taken when access and egress to the work site may also cause disturbance or damage to a nesting site. This is also true for retained trees on site as the removal of adjacent trees or remedial works on a tree may lead to an established nest being abandoned, exposed to the elements or predation. This action is also a breach of the Act and therefore could lead to prosecution due to the infringement of the Wildlife and Countryside Act 1981 and breaching the European Habitats Directive 1992/Nesting Birds Directive\*.

- 7.6 Although not apparent at the time of the site visit consideration should also be given to the presence of bats, and a full visual assessment should be undertaken before any works are carried out on the trees. Where bats are identified as a serious concern, a bat survey should be undertaken by qualified and trained personnel to identify the needs of the bats (roosts, resting place etc.) and no tree works can be carried out until the 'all clear' is given, or a programme of recommendations is received in writing.
- 7.7 Should additional tree works become apparent during the construction process; written consent will be required from Eastleigh Borough Council prior to these additional works being undertaken.
- 7.8 Trees to be removed to facilitate the development are detailed within the Tree Works Schedule appended at CB3.

## **8.0 SERVICES**

- 8.1 As detailed in Section 6 above, CBA Trees has not been provided with the drainage or service location plans to establish if these will implicate the retained trees and groups.
- 8.2 This is not unusual for an outline planning application. At detailed design stage, where new services, drainage and utilities are to be installed, these will be designed and located to be outside of retained rooting areas and allow for working space to install the route without impacting on trees and groups.
- 8.3 In addition to avoiding the retained trees and groups, the new routes will need to be designed and located to allow for the new tree planting, so that these can establish and mature and will not be significantly impacted on by maintenance and future works to the services, drainage, or utility run. This may require installation to be located in a longer run such as being on the opposite side of the road for example or for services to be placed in ducting so that cables can be pulled through the ducting as and when required for maintenance and upgrading.

## **9.0 TREE PROTECTION MEASURES**

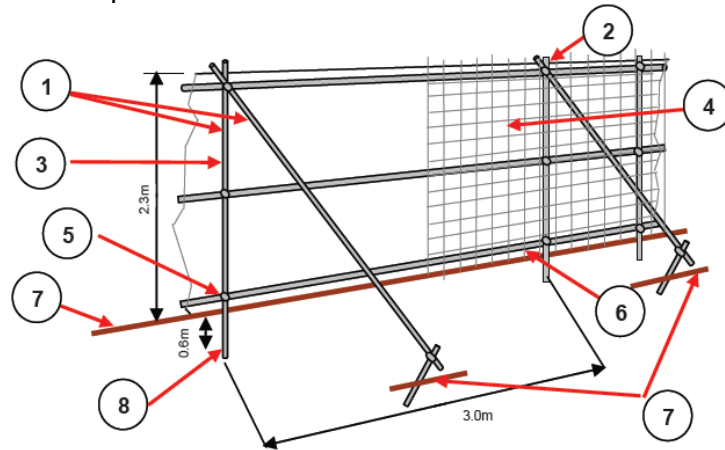
- 9.1 Once full planning approval has been granted and details to discharge planning conditions approved as required then all site operations will be planned, implemented and supervised to prevent the following unless otherwise agreed within this report:
- Unplanned root severance
  - Damage to the bark, branches and trunks
  - Compaction of the soil within the Construction Exclusion Zone
  - Alterations in soil level
  - Soil contamination by phytotoxic materials such as herbicides, petrol, oils, diesel, cement and concrete washings or other construction additives
- 9.2 Before starting any site works in relation to this development proposal, tree protection will be installed in accordance with the approved and finalised Tree Protection Plan and arboricultural method statements to ensure that trees and groups shown for retention are correctly protected throughout site works.
- 9.3 This will occur immediately following the completion of tree works and prior to any site preparation works starting. Phasing of site works may be programmed within the build programme and will enable tree protection to be set up and established for specific areas at a given time rather than have barriers up across areas that are not under construction. Barriers may be formed by existing fencing on site or purposely erected barriers that will need to be fit for purpose.
- 9.4 A copy of the approved Tree Protection Plan and Arboricultural Method Statements will be kept on site by the appointed contractor as an immediate reference for all site operatives to review during working processes as required and to reference at the start of each phase or area of works.
- 9.5 Given the nature of the existing site, it is recommended at this stage that the barrier will consist of a robust barrier where it (the barrier) is resistant to impact and requires a positive or considered movement/adjustment by contractors of the barrier to adjust its position.
- 9.6 Installing the following protective barrier as indicated on Indicative Tree Protection Plan CBA11012PA.02A TPP will provide for protection to the retained trees and groups where new built form is proposed or where existing built form is to be removed.

### ***Principle Tree Protective Barrier***

Where soft ground is present along the line of tree protection, the trees will be protected by installing the following protective fence as indicated on the Indicative Tree Protection Plan CBA11012PA.02A TPP (appended at CB4). The barrier is to comprise of a vertical and horizontal framework, well braced

to resist impacts, with vertical tubes spaced at a maximum interval of 3m. Onto this, weldmesh panels should be securely fixed with wire or scaffold clamps.

**Figure 1:** Principle Protective Barrier



1. Standard scaffold poles
2. Uprights to be driven into the ground
3. Panels secured to uprights with wire ties and where necessary standard scaffold clamps
4. Weldmesh wired to the uprights and horizontals
5. Standard clamps
6. Wire twisted and secured on inside face of barriers to avoid easy dismantling
7. Ground level
8. Approximately 0.6m driven into the ground

Example of protective barriers:



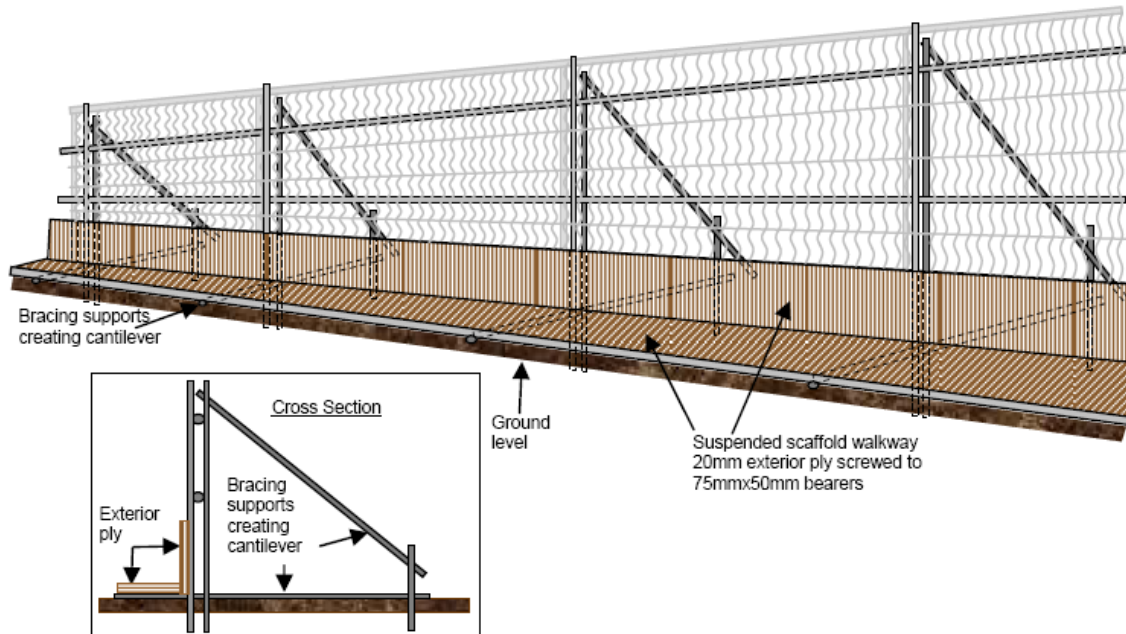
## 9.7 **Ground Protection**

### ***Pedestrian movements***

The area of works will require fit for purpose ground protection due to contractor activity within the identified Construction Exclusion Zone (CEZ) for the works relating to Building E. Ground protection will be implemented for these trees as per the Tree Protection Plan CBA11012PA.02A TPP.

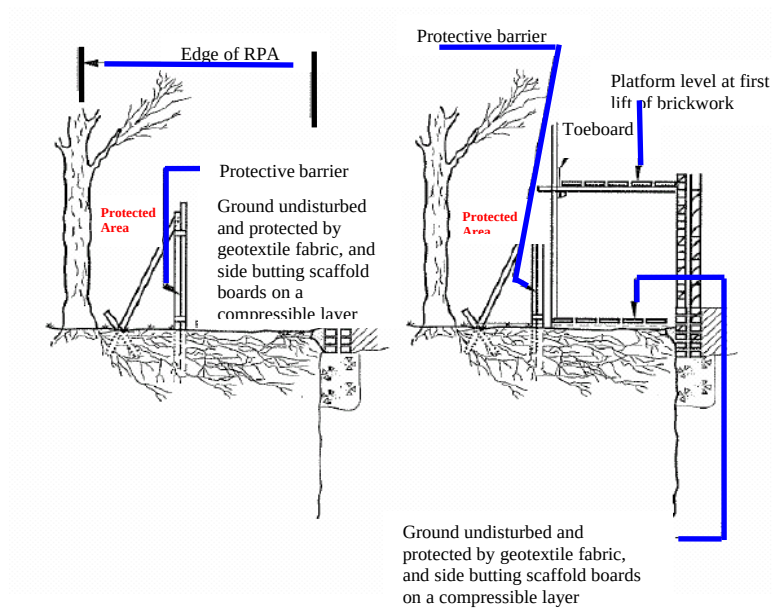
Ground protection will be constructed in accordance with Figure 2 below and consist of a suspended walkway decked with 20mm exterior grade Plyboard supported on 75 x 50mm bearers. The specification provides for pedestrian access only.

**Figure 2:** Pedestrian walkway within the Root Protection Area



An alternative approach is provided (Figure 3), the method will allow for construction and working space within the CEZ of retained trees. This method will consist of a single thickness of butt jointed scaffold boards supported on a 150mm thick layer of composted woodchip which is prevented from mixing with the underlying soil by geotextile separation layer.

**Figure 3:** Ground Protection Specification



It is likely that plant machinery access and machine operation is required within the CEZ of trees T32, 34, Grp 14 (G14.11) and Grp 15.

At this stage, given the application is for outline permission only, no information has been provided as to the type, weight or ground pressure of the equipment to be deployed, and therefore the exact type of ground protection is yet to be specified.

A compressible layer will be incorporated into the design to minimise compaction of the rooting environment. This layer could consist of a thick layer of composted wood chip or preparatory neoprene mats.

Examples of the type of ground protection that is likely to be required are below:

#### **Hardwood Eki Mats.**

These mats are suitable for rubber tyre vehicles and should be laid to form a single track of either 3m or 5m width. As a guide only, these mats may be used to support evenly distributed weights of up to 21 tonne for 3m and 35 tonne for 5m depending on ground conditions on site.

#### **Aluminium preparatory Trackway system e.g., Eve Trackway.**

This trackway consists of extruded aluminium planks that are connected to create this high-capacity panel that has a corrugated surface to aid vehicle traction. By interconnecting panels in any combination of widths and layers, the heavy-duty system provides guaranteed access for any load, up to 1000 tonnes.

- 9.8 Once the barriers are in place they must remain *in-situ* throughout the following list of works:

- Contractor occupancy
- Plant and Materials delivery
- Construction works
- Installation of porous surfacing
- Utility installation
- Completion of development
- Landscaping

- 9.9 Tree protection measures will remain *in-situ* for the duration of the project. The areas protected by barriers will be regarded as **sacrosanct**, and the tree protective barriers shall not be taken down or relocated at any time without the prior written approval of the Tree Officer of Eastleigh Borough Council with the exception of the works to implement the swale works once this has been arboriculturally agreed.

### **10.0 LANDSCAPE PLANTING**

- 10.1 As part of the detailed planning application, soft landscaping will be provided. This will be designed for the site to enhance the site boundaries. It is

understood that the soft landscaping will seek to enhance the biodiversity and ecological habitats of the site whilst meeting the design principles to compliment the development to allow the landscaping to mature with the site.

10.2 Tree and shrub planting will be appropriate for the site and growing conditions so that the planting will establish and mature with the site once constructed.

10.3 All tree and shrub landscaping will accord with following principles:

- Plant machinery used will have wide, low pressure tyres fitted to reduce the impact on soft ground.
- Where landscaping works are to be carried out within the root protection areas of retained trees after the construction has been completed for any particular phase or where landscape works are proposed, tree protection barriers may be taken down. However, the root protection area will remain off limits for all site plant and machinery unless fit for purpose ground protection is installed. Pedestrian traffic must be kept to an absolute minimum and only permitted for the ground preparation and landscape installation works to be completed.
- The landscaping works will need to be undertaken in such a way as to avoid level changes, deep digging or mechanical rotovating in particular within the root protection area.
- Excavation of planting pits within the root protection area can cause serious harm the root system of retained trees. Planting pits within the RPA of retained trees will be excavated by hand to avoid roots greater than 25mm and masses of smaller roots.

**Figure 4:** Root severance as a result of planting within RPA Planting Trees and Shrubs. Watson G. W. and Himelick E. B. 1997



- If any planting pits are required within the root protection areas of retained trees, these will be dug by hand and with care avoiding roots greater than 25mm diameter or masses of smaller roots.

10.4 Any surface mulch laid round the base of newly planted trees and shrubs will consist of well-composted material such as bark or wood chips. This is necessary to avoid potential nutrient loss from the soil, such as Nitrogen, as

the mulch breaks down, as nutrient loss can be detrimental to the health and longevity of retained trees.

- 10.5 All work specified in the approved landscaping scheme shall be carried out in accordance with planning conditions which are likely to be before the end of the first planting and seeding season, following the occupation of any completed part of the development.

## **11.0 CONCLUSION**

- 11.1 This Arboricultural Implications Assessment (AIA) is for an outline planning application development at the Paddock Area at Chalcroft Business Park, consisting of up to 4,130sqm of commercial floorspace (Use Classes E(g)(ii), (iii) and B8) to include farm shop (Use Class E(a)) of up to 327sqm, parking and yard areas (including accessible spaces), landscape buffers and acoustic mitigation. Formation of vehicular and pedestrian access to Estate Road (access not a reserved matter). The proposal has been assessed broadly in accordance with BS5837:2012 *"Trees in Relation to Design, Demolition and Construction – Recommendations"*.
- 11.2 The site is allocated for development within the adopted Local Plan and to achieve a development layout that is comprehensive in function, visually appealing and financially viable whilst looking to address the Local Plan requirements; the development will require the removal of the two central trees.
- 11.3 The proposal will retain nine of the eleven individual trees identified in the tree survey.
- 11.4 All five groups of trees can be retained with a small section of one group being removed which is in our view is of low quality.
- 11.5 Three sections of hedging will be removed with the majority of the hedging around the perimeter of the site retained.
- 11.6 Landscape buffer zones around the perimeter of the site on the eastern and southern sides and a buffer zone of 20m for the Sinc to the western side of the site will provide the opportunity for biodiversity and ecological enhancements on site.
- 11.7 With the appropriate tree protection measures and specific arboricultural method statements for working practices close to trees, it is our view that the retained trees, groups and hedges will not be adversely affected by the proposal. Provided the recommendations included within this report are strictly adhered to, CBA Trees believes the trees highlighted for retention within this report can be retained without undue stress on their long-term health.



## **Appendices**

|     |                                                          |
|-----|----------------------------------------------------------|
| CB1 | Tree Survey Schedule Tree Survey Plan CBA11012PA.01B TSP |
| CB2 | Root Protection Area Schedule                            |
| CB3 | Tree Works Schedule                                      |
| CB4 | Indicative Tree Protection Plan CBA11012PA.02A TPP       |
| CB5 | Qualifications and Experience                            |





*The Professional Arboricultural Consultancy*

## TREE SURVEY NOTES

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

- Each tree has been numbered and, where instructed, for future identification on site, has been tagged using small durable metal or plastic tags.
- Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres. Accurate heights, measured with the aid of optical instruments can be provided where instructed.
- Trunk/stem diameters are measured in mm at 1.5 metres above ground level, using a standard measuring tape as defined by British Standards, unless otherwise stated.
- Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of the crown shape which will be recorded on the tree survey plan.

- An assessment of a tree's age classification is made in terms of its maturity within the site's landscape and defined as:

|           |          |                           |
|-----------|----------|---------------------------|
| <b>Y</b>  | <b>=</b> | <b>young trees</b>        |
| <b>SM</b> | <b>=</b> | <b>semi-mature trees</b>  |
| <b>EM</b> | <b>=</b> | <b>early mature trees</b> |
| <b>M</b>  | <b>=</b> | <b>mature trees</b>       |
| <b>OM</b> | <b>=</b> | <b>over-mature trees</b>  |

- An assessment of a tree's physiological condition is defined as:

|             |          |                                                                                                                                                                                                     |
|-------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Good</b> | <b>=</b> | <b>fully functioning biological system showing average vitality i.e. normal bud growth, leaf size, crown density and wound closure</b>                                                              |
| <b>Fair</b> | <b>=</b> | <b>fully functioning biological system showing below average vitality i.e. reduced bud growth, smaller leaf size, lower crown density and reduced wound closure</b>                                 |
| <b>Poor</b> | <b>=</b> | <b>a biological system with limited functionality showing significantly below average vitality i.e. limited bud growth, small and chlorotic leaves, low crown density and limited wound closure</b> |
| <b>Dead</b> | <b>=</b> | <b>dead</b>                                                                                                                                                                                         |

- An assessment of a tree's structural condition is defined as:

|             |          |                                                                                                           |
|-------------|----------|-----------------------------------------------------------------------------------------------------------|
| <b>Good</b> | <b>=</b> | <b>no significant structural defects</b>                                                                  |
| <b>Fair</b> | <b>=</b> | <b>structural defects which could be alleviated through remedial tree surgery or management practices</b> |
| <b>Poor</b> | <b>=</b> | <b>structural defects which cannot be alleviated through tree surgery or management practices</b>         |
| <b>Dead</b> | <b>=</b> | <b>dead</b>                                                                                               |

- An assessment of a tree's future life expectancy is defined as: **<10, 10+, 20+ or 40+ years.**

## Categorisation of Trees

The category for each tree is assessed using the recommendations of BS5837:2012. The assessment has not considered any site-specific development proposals, but will have considered any changes on or off-site which may have an effect on the conditions surrounding the surveyed trees.

The trees have been classified into one of the following categories (and one or more sub-categories [this will however not increase the value of the tree]) and are indicated on the associated drawings by colours as indicated.

| Category U                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                   |                                                                                                                                        | Identification colour on plan |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years | <ul style="list-style-type: none"> <li>Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning)</li> <li>Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li> <li>Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality</li> </ul> |                                                                                                                                                                                                                                                                   |                                                                                                                                        | <b>DARK RED</b>               |
| Category A                                                                                                                                           | 1 – Mainly arboricultural values                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 – Mainly landscape values                                                                                                                                                                                                                                       | 3 – Mainly cultural values                                                                                                             | Identification colour on plan |
| <b>Trees of high quality</b> with an estimated remaining life expectancy of at least 40 years                                                        | Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)                                                                                                                                                                                                                                                                                                                                                                                               | Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features                                                                                                                                                            | Trees, groups or woodlands, of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture) | <b>LIGHT GREEN</b>            |
| Category B                                                                                                                                           | 1 – Mainly arboricultural values                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 – Mainly landscape values                                                                                                                                                                                                                                       | 3 – Mainly cultural values                                                                                                             | Identification colour on plan |
| <b>Trees of moderate quality</b> with an estimated remaining life expectancy of at least 20 years                                                    | Trees that might be included in category A, but are down-graded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation                                                                                                                                                                                                                                                                     | Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality | Trees with material conservation value or other cultural value                                                                         | <b>MID BLUE</b>               |
| Category C                                                                                                                                           | 1 – Mainly arboricultural values                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 – Mainly landscape values                                                                                                                                                                                                                                       | 3 – Mainly cultural values                                                                                                             | Identification colour on plan |
| <b>Trees of low quality</b> with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm        | Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits                                                              | Trees with no material conservation or other cultural value                                                                            | <b>GREY</b>                   |

Clients are advised that Tree Surveys are a basic data collection exercise and record of tree condition at the time of survey. This will identify any visible signs of ill-health or major defects, advising a further detailed investigation where appropriate. This will most often take the form of a request for either “*full ground level inspection*” or “*climbing inspection required*”. There may also be a further reference to the need for “*decay detection equipment*” to aid diagnosis. A tree survey does not include a comprehensive schedule or specification of remedial tree works, but may contain a guide to the work which might be undertaken by a prudent tree owner, purely for reasons of health and safety.

A Tree Survey should not be confused with a Tree Inspection or Arboricultural Implication Assessment, which are totally separate exercises.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TREE SURVEY REPORT (BS5837:2012) |                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Site:                            | The Paddock Area at Chalcroft Business Park                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Date:                            | 27th April 2023 (updated 10th July 2023)                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Consultant:                      | Stefan Rose <i>BSc (Hons), TechCert (Arbor.A), TechArbor.A</i> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tagged:                          | No                                                             |
| <p>Notes:</p> <ol style="list-style-type: none"> <li>1. It may be advised that some trees should have the ivy removed to enable a re-survey to be carried out. This would also alleviate the tree from becoming suppressed; carrying additional weight that increases the chance of windthrow due to a larger dense crown area; and only receiving restricted light. Unless otherwise stated, in order to prevent regrowth, it is only necessary to remove a 300mm section of ivy and clear around the base.</li> <li>2. It may be advised that it was only possible to estimate the diameter of some trees because of ivy smothering, dense vegetation, or trees located off-site with no access.</li> <li>3. The estimated remaining contribution in years, and the tree grading category have been calculated for the current situation and may alter where further investigation works are advised.</li> <li>4. Some trees or groups may have been given an interim grade. The reason for the interim grading is addressed in the timescales given as this may have a bearing on health and safety and/or any development proposals.</li> <li>5. Tree Groups have been assessed with estimated and representative data.</li> <li>6. This is not a Tree Works Schedule. Any preliminary management recommendations are listed in the interests of health and safety and should be carried out by a prudent tree owner.</li> <li>7. Any management recommendations are suggested for reasons of health and safety only, regardless of development proposals at this stage. However, the defects requiring remedial tree surgery are by their very nature potential wildlife habitats, including protected species which needs consideration prior to any tree surgery works commencing.</li> <li>8. The data collected and any advice provided within this report is supplied in the interests of sound arboricultural management. Trees are a living dynamic organism that can be affected by external conditions (high winds, storms, snow, heavy rain or drought) and may occasionally fail without warning. It is therefore not possible to state with any certainty that any tree or group of trees is completely safe. The condition of a tree or group of trees can change rapidly as a result of external factors; we would advise that the occupier/ owners inspect the trees at least every 12 months or following periods of extreme weather and where concerns are raised relating to tree health that would be considered beyond the knowledge of a layperson, further arboricultural advice should be sought.</li> </ol> |                                  |                                                                |
| <p><b>TREE PRESERVATION ORDER:</b><br/> CBA Trees is aware that an Area Tree Preservation Order with reference TPO-876-E was served on 22nd June 2023 which protects all tree species on site.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  |                                                                |

| Tree No | Species                                 | H't<br>(m) | Single/<br>Multi-<br>Stemmed<br>(S or MS) | Stem<br>Diam<br>(mm) | Branch<br>Spread<br>(m) |      |      |      | H't of Crown<br>AGL<br>(m) |     |     |     | Life<br>Stage | Physio-<br>logical<br>Condition | Structural<br>Condition<br>and<br>General Observations                                                                                                                                                                                                             | Preliminary<br>Management<br>Recommendations | Est.<br>Rem.<br>Contrib.<br>(Yrs) | Cat  |
|---------|-----------------------------------------|------------|-------------------------------------------|----------------------|-------------------------|------|------|------|----------------------------|-----|-----|-----|---------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------|------|
|         |                                         |            |                                           |                      | N                       | E    | S    | W    | N                          | E   | S   | W   |               |                                 |                                                                                                                                                                                                                                                                    |                                              |                                   |      |
| 24      | Norway Spruce<br><i>Picea abies</i>     | 18         | S                                         | 500                  | 5.0                     | 5.0  | 4.0  | 5.0  | 2.0                        | 2.0 | 2.0 | 2.0 | EM            | Fair                            | Fair<br>Bark wound on north side of trunk at base occluding Mechanical damage to surface roots<br>Old pruning wounds on trunk<br>Minor deadwood in crown<br>Crown appears sparse                                                                                   | None required at time of survey              | 10+                               | C1+2 |
| 25      | Pedunculate Oak<br><i>Quercus robur</i> | 13         | S                                         | 730                  | 8.0                     | 7.0  | 10.0 | 10.0 | 2.0                        | 1.5 | 1.5 | 1.5 | EM            | Good                            | Fair<br>Leans west<br>Low hanging branches<br>Epicormics in crown<br>Major deadwood in crown but no significant target<br>Trunk shape distorted due to group pressure                                                                                              | None required at time of survey              | 40+                               | B1+2 |
| 26      | Pedunculate Oak<br><i>Quercus robur</i> | 19         | S                                         | 1150                 | 10.0                    | 11.0 | 14.0 | 10.0 | 2.0                        | 1.5 | 1.0 | 1.5 | M             | Good                            | Good<br>Low hanging branches<br>Large buttress roots<br>Old pruning wounds on trunk and in crown<br>Epicormics in crown<br>Major deadwood in crown but no significant target<br>Wildlife hole in south west side of trunk at approximately 4.5m above ground level | None required at time of survey              | 40+                               | A1+2 |

| Tree No | Species                                 | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) |     |     |     | H't of Crown AGL (m) |     |     |     | Life Stage | Physio-logical Condition | Structural Condition and General Observations                                                                                                                                                          | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat  |
|---------|-----------------------------------------|---------|---------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------|------|
|         |                                         |         |                                 |                | N                 | E   | S   | W   | N                    | E   | S   | W   |            |                          |                                                                                                                                                                                                        |                                        |                          |      |
| 27      | Pedunculate Oak<br><i>Quercus robur</i> | 14      | S                               | 580            | 7.0               | 6.0 | 6.0 | 4.0 | 1.5                  | 3.0 | 2.0 | 2.0 | EM         | Good                     | Good<br>Large buttress roots<br>Ditch to east<br>Epicormics on trunk and in crown<br>Crown shape distorted due to group pressure<br>Major deadwood in crown but no significant target<br>Weighted east | None required at time of survey        | 20+                      | C1+2 |
| 28      | Pedunculate Oak<br><i>Quercus robur</i> | 18      | S                               | 820            | 9.5               | 8.0 | 6.0 | 9.0 | 2.0                  | 2.0 | 2.0 | 1.5 | M          | Good                     | Good<br>Ivy on trunk<br>Epicormics on trunk and in crown<br>Low hanging branches<br>Major deadwood in crown but no significant target<br>Crown shape distorted due to group pressure                   | None required at time of survey        | 40+                      | B1+2 |

| Tree No | Species                                 | H't<br>(m) | Single/<br>Multi-<br>Stemmed<br>(S or MS) | Stem<br>Diam<br>(mm) | Branch<br>Spread<br>(m) |      |      |      | H't of Crown<br>AGL<br>(m) |     |     |     | Life<br>Stage | Physio-<br>logical<br>Condition | Structural<br>Condition<br>and<br>General Observations                                                                                                                                                                                                                                                                                                                  | Preliminary<br>Management<br>Recommendations | Est.<br>Rem.<br>Contrib.<br>(Yrs) | Cat  |
|---------|-----------------------------------------|------------|-------------------------------------------|----------------------|-------------------------|------|------|------|----------------------------|-----|-----|-----|---------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------|------|
|         |                                         |            |                                           |                      | N                       | E    | S    | W    | N                          | E   | S   | W   |               |                                 |                                                                                                                                                                                                                                                                                                                                                                         |                                              |                                   |      |
| 29      | Ash x1<br>Pedunculate Oak x1            | 19         | MS <5                                     | 850                  | 7.0                     | 8.0  | 8.0  | 10.0 | 2.0                        | 2.0 | 2.0 | 2.0 | EM            | Fair                            | Fair<br>Two trees growing in close proximity<br>Multi-stemmed at ground level<br>Ivy on trunks<br>Large buttress roots<br>Trunk and crown shape distorted due to group pressure<br>Epicormics on trunk and in crown<br>Bark wounds on trunk<br>Ash appears to be an old coppice stool<br>Ivy on trunks and crowns<br>Major deadwood in crowns but no significant target | None required at time of survey              | 10+                               | C1+2 |
| 30      | Pedunculate Oak<br><i>Quercus robur</i> | 19         | S                                         | 790                  | 5.0                     | 9.0  | 8.0  | 8.0  | 2.0                        | 2.0 | 2.0 | 2.0 | M             | Good                            | Fair<br>Large buttress roots<br>Crown shape distorted due to group pressure<br>Weighted south<br>Epicormics on trunk and in crown<br>Major deadwood in crown but no significant target                                                                                                                                                                                  | None required at time of survey              | 20                                | C1+2 |
| 31      | Pedunculate Oak<br><i>Quercus robur</i> | 17         | S                                         | 740                  | 9.0                     | 10.0 | 11.0 | 9.0  | 3.0                        | 5.0 | 3.0 | 2.0 | M             | Good                            | Fair<br>Large buttress roots<br>Epicormics on trunk and in crown<br>Major deadwood in crown but no significant target<br>Multi-stemmed by 6m above ground level                                                                                                                                                                                                         | None required at time of survey              | 40+                               | A1+2 |

| Tree No | Species                                 | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) |      |      |      | H't of Crown AGL (m) |     |     |     | Life Stage | Physio-logical Condition | Structural Condition and General Observations                                                                                                                                                                                                                                                              | Preliminary Management Recommendations                                                             | Est. Rem. Contrib. (Yrs) | Cat             |
|---------|-----------------------------------------|---------|---------------------------------|----------------|-------------------|------|------|------|----------------------|-----|-----|-----|------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------|-----------------|
|         |                                         |         |                                 |                | N                 | E    | S    | W    | N                    | E   | S   | W   |            |                          |                                                                                                                                                                                                                                                                                                            |                                                                                                    |                          |                 |
| 32      | Pedunculate Oak<br><i>Quercus robur</i> | 21      | S                               | 1460           | 12.5              | 11.0 | 10.0 | 15.0 | 2.0                  | 2.0 | 2.0 | 1.5 | M          | Good                     | Fair<br>Large buttress roots<br>Ivy on trunk<br>Epicormics on trunk and in crown<br>Multi-stemmed by 5m above ground level<br>Low hanging branches<br>Major deadwood in crown but no significant target<br>Potential veteran opportunity<br>Unable to verify health and safety due to brambles and fencing | None required at time of survey                                                                    | 40+                      | A1+2+3          |
| 33      | Pedunculate Oak<br><i>Quercus robur</i> | 15      | S                               | Est 650        | 5.0               | 5.0  | 5.0  | 6.0  | 2.0                  | 2.0 | 2.0 | 2.0 | M          | Fair                     | Fair<br>Unable to verify health and safety due to limited access and ivy<br>Ivy on trunk and in crown<br>Epicormics on trunk and in crown<br>Major deadwood in crown                                                                                                                                       | Remove deadwood<br>Clear around base and sever ivy (within 3 months) and resurvey within 12 months | 20+                      | C1+2<br>Interim |
| 34      | Pedunculate Oak<br><i>Quercus robur</i> | 12      | S                               | Est 550        | 5.0               | 4.0  | 8.0  | 6.0  | 4.0                  | 2.0 | 2.0 | 2.0 | EM         | Good                     | Fair<br>Offsite tree<br>Major deadwood in crown<br>Crown shape distorted due to group pressure<br>Unable to verify health and safety due to no access<br>Weighted south                                                                                                                                    | None required at time of survey                                                                    | 20+                      | C1+2            |
| 35      | Previously removed                      | -       | -                               | -              | -                 | -    | -    | -    | -                    | -   | -   | -   | -          | -                        | -                                                                                                                                                                                                                                                                                                          | -                                                                                                  | -                        | -               |

| Tree No | Species                                                   | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm)  | Branch Spread (m) |   |   |   | H't of Crown AGL (m) |   |   |   | Life Stage | Physio-logical Condition | Structural Condition and General Observations                                                                                             | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat  |
|---------|-----------------------------------------------------------|---------|---------------------------------|-----------------|-------------------|---|---|---|----------------------|---|---|---|------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------|------|
|         |                                                           |         |                                 |                 | N                 | E | S | W | N                    | E | S | W |            |                          |                                                                                                                                           |                                        |                          |      |
| Grp 13  | Hawthorn<br>Ash<br>Hazel                                  | 16      | S                               | 400             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Fair<br>Natural regeneration<br>Trunks and crown shapes distorted due to group pressure<br>Low hanging branches<br>Brambles limit survey  | None required at time of survey        | 10+                      | C1+2 |
| Grp 14  | Pedunculate Oak<br>Common Ash<br>Silver Birch<br>Hawthorn | 12      | S                               | See below (est) | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Offsite group growing on network rail embankment<br>Trunk and crown shape distorted due to group pressure<br>Low hanging branches | None required at time of survey        | 20+                      | B1+2 |
| G14.1   | Pedunculate Oak                                           | -       | S                               | 450             | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Ivy on trunk and in crown                                                                                                         | -                                      | 40+                      | B1+2 |
| G14.2   | Pedunculate Oak                                           | -       | S                               | 300             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                                                                                                      | -                                      | 40+                      | B1+2 |
| G14.3   | Pedunculate Oak                                           | -       | S                               | 360             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                                                                                                      | -                                      | 40+                      | B1+2 |
| G14.4   | Pedunculate Oak                                           | -       | S                               | 370             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                                                                                                      | -                                      | 40+                      | B1+2 |
| G14.5   | Pedunculate Oak                                           | -       | S                               | 450             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                                                                                                      | -                                      | 40+                      | B1+2 |
| G14.6   | Pedunculate Oak                                           | -       | S                               | 500             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                                                                                                      | -                                      | 40+                      | B1+2 |
| G14.7   | Pedunculate Oak                                           | -       | S                               | 460             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                                                                                                      | -                                      | 40+                      | B1+2 |
| G14.8   | Pedunculate Oak                                           | -       | S                               | 420             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                                                                                                      | -                                      | 40+                      | B1+2 |

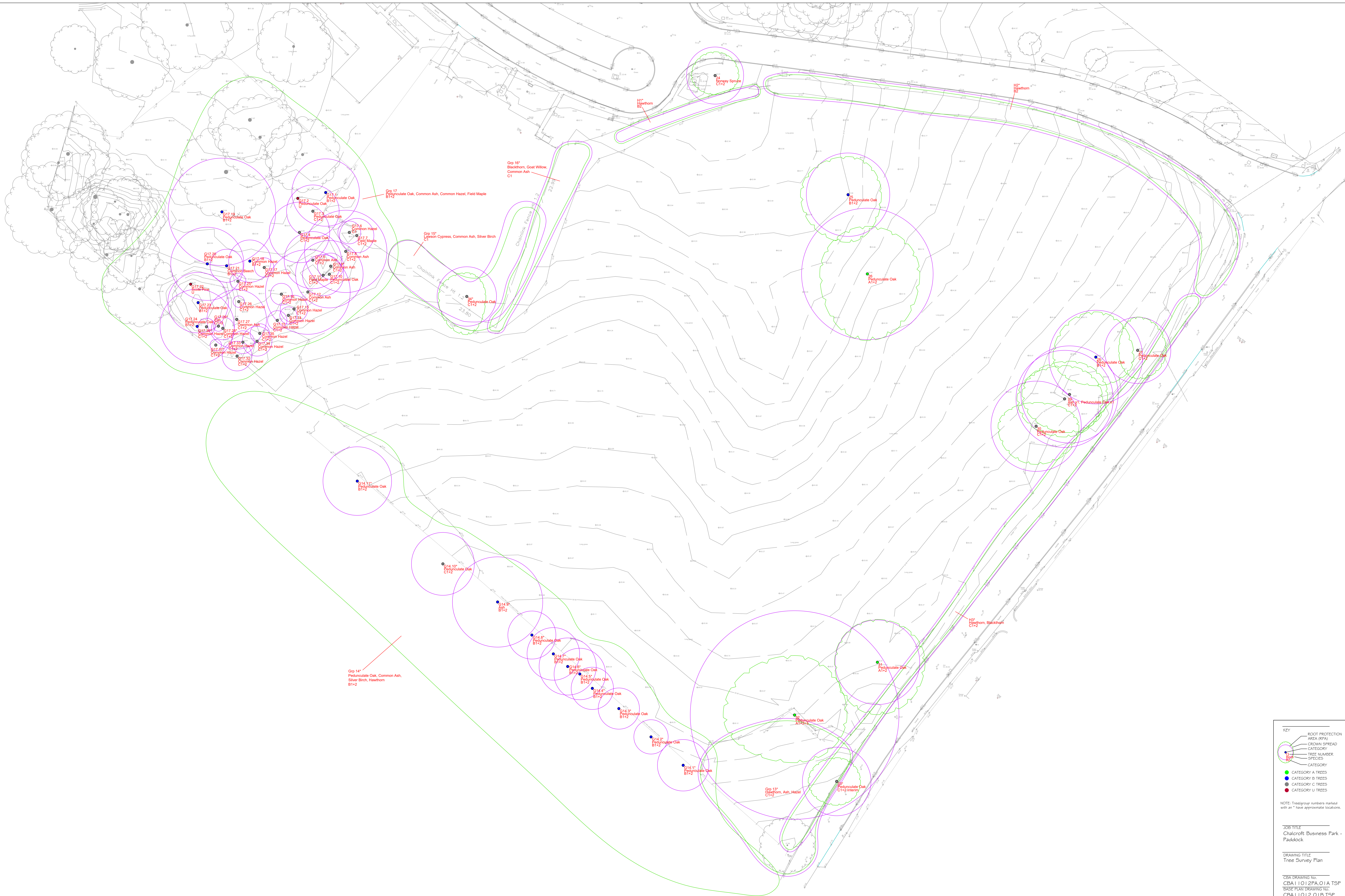
| Tree No | Species                                                      | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) |   |   |   | H't of Crown AGL (m) |   |   |   | Life Stage | Physio-logical Condition | Structural Condition and General Observations                                                                                                                                               | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat  |
|---------|--------------------------------------------------------------|---------|---------------------------------|----------------|-------------------|---|---|---|----------------------|---|---|---|------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------|------|
|         |                                                              |         |                                 |                | N                 | E | S | W | N                    | E | S | W |            |                          |                                                                                                                                                                                             |                                        |                          |      |
| G14.9   | Ash                                                          | -       | MS <5                           | 790            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Fair<br>Bifurcated at ground level                                                                                                                                                          | -                                      | 20+                      | B1+2 |
| G14.10  | Pedunculate Oak                                              | -       | S                               | 550            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Bifurcated at 1.5m above ground level                                                                                                                                               | -                                      | 20+                      | C1+2 |
| G14.11  | Pedunculate Oak                                              | -       | S                               | 600            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair                                                                                                                                                                                        |                                        | 20+                      | B1+2 |
| Grp 15  | Lawson Cypress<br>Common Ash<br>Silver Birch                 | 11      | S                               | Est 350        | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Offsite group<br>Garden trees and unmaintained hedging<br>Trunks and crown shapes distorted due to group pressure<br>Unable to verify health and safety due to no access            | None required at time of survey        | 10+                      | C1   |
| Grp 16  | Blackthorn<br>Goat Willow<br>Common Ash                      | 5       | S                               | 120            | -                 | - | - | - | -                    | - | - | - | EM         | Fair                     | Fair<br>Unmaintained field boundary hedge<br>Some trees may be offsite<br>Low hanging branches<br>Trunks and crown shapes distorted due to group pressure<br>Becoming dominated by brambles | None required at time of survey        | 10+                      | C1   |
| Grp 17  | Pedunculate Oak<br>Common Ash<br>Common Hazel<br>Field Maple | 17      | S / MS                          | See below      | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Good<br>Trunk and crown shape distorted due to group pressure<br>Ash and Oak woodland with Hazel coppice<br>Major deadwood in crown                                                         | None required at time of survey        | 40+                      | B1+2 |

| Tree No | Species         | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) |   |   |   | H't of Crown AGL (m) |   |   |   | Life Stage | Physio-logical Condition | Structural Condition and General Observations                       | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat  |
|---------|-----------------|---------|---------------------------------|----------------|-------------------|---|---|---|----------------------|---|---|---|------------|--------------------------|---------------------------------------------------------------------|----------------------------------------|--------------------------|------|
|         |                 |         |                                 |                | N                 | E | S | W | N                    | E | S | W |            |                          |                                                                     |                                        |                          |      |
| G17.1   | Pedunculate Oak | -       | S                               | 590            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Fair<br>Ivy on trunk and in crown                                   | Sever ivy                              | 20+                      | B1+2 |
| G17.2   | Pedunculate Oak | -       | S                               | 450            | -                 | - | - | - | -                    | - | - | - | EM         | Dead                     | Dead tree                                                           | Advise removal                         | -                        | U    |
| G17.3   | Pedunculate Oak | -       | S                               | 460            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Ivy on trunk                                                | -                                      | 20+                      | C1+2 |
| G17.4   | Pedunculate Oak | -       | S                               | 530            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Ivy on trunk                                                | -                                      | 20+                      | C1+2 |
| G17.5   | Common Ash      | -       | MS <5                           | 500            | -                 | - | - | - | -                    | - | - | - | EM         | Fair                     | Fair<br>Multi-stemmed at ground level                               | -                                      | 20+                      | C1+2 |
| G17.6   | Common Hazel    | -       | MS <5                           | 200            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Ivy on trunk                                                | -                                      | 10+                      | C1   |
| G17.7   | Field Maple     | -       | MS <5                           | 300            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Bifurcated at 1m above ground level                         | -                                      | 20+                      | C1+2 |
| G17.8   | Common Ash      | -       | MS <5                           | 720            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Fair<br>Bifurcated at 1m above ground level<br>One stem snapped out | -                                      | 10+                      | C1+2 |
| G17.9   | Common Ash      | -       | S                               | 230            | -                 | - | - | - | -                    | - | - | - | SM         | Fair                     | Fair                                                                | -                                      | 10+                      | C1+2 |
| G17.10  | Pedunculate Oak | -       | S                               | 590            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Fair<br>Heavily leans east                                          | -                                      | 20+                      | C1+2 |
| G17.11  | Field Maple     | -       | S                               | 360            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Two stems fused together                                    | -                                      | 10+                      | C1+2 |

| Tree No | Species         | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) |   |   |   | H't of Crown AGL (m) |   |   |   | Life Stage | Physio-logical Condition | Structural Condition and General Observations            | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat  |
|---------|-----------------|---------|---------------------------------|----------------|-------------------|---|---|---|----------------------|---|---|---|------------|--------------------------|----------------------------------------------------------|----------------------------------------|--------------------------|------|
|         |                 |         |                                 |                | N                 | E | S | W | N                    | E | S | W |            |                          |                                                          |                                        |                          |      |
| G17.12  | Common Ash      | -       | MS <5                           | 740            | -                 | - | - | - | -                    | - | - | - | M          | Fair                     | Fair<br>Old coppice stool<br>Decay at base               | -                                      | 10+                      | C1+2 |
| G17.13  | Common Hazel    | -       | MS >6                           | 240            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Fair<br>Multi-stemmed at ground level                    | -                                      | 20+                      | C1+2 |
| G17.14  | Common Hazel    | -       | MS >6                           | 150            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Multi-stemmed at ground level                    | -                                      | 20+                      | C1+2 |
| G17.15  | Common Hazel    | -       | MS >6                           | 170            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Multi-stemmed at ground level                    | -                                      | 20+                      | C1+2 |
| G17.16  | Common Hazel    | -       | MS <5                           | 190            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Bifurcated at ground level                       | -                                      | 20+                      | C1+2 |
| G17.17  | Common Hazel    | -       | MS >6                           | 170            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Multi-stemmed at ground level                    | -                                      | 20+                      | C1+2 |
| G17.18  | Common Hazel    | -       | S                               | 370            | -                 | - | - | - | -                    | - | - | - | EM         | Good                     | Fair<br>Tall and etiolated due to group pressure         | -                                      | 20+                      | B1+2 |
| G17.19  | Pedunculate Oak | -       | S                               | 940            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Fair<br>Major deadwood in crown<br>Storm damage in crown | -                                      | 20+                      | B1+2 |
| G17.20  | Pedunculate Oak | -       | S                               | 640            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Good                                                     | -                                      | 20+                      | B1+2 |
| G17.21  | Common Beech    | -       | S                               | 290            | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Good                                                     | -                                      | 40+                      | B1+2 |
| G17.22  | Scots Pine      | -       | -                               | -              | -                 | - | - | - | -                    | - | - | - | -          | -                        | Windblown                                                | -                                      | -                        | -    |

| Tree No | Species         | H't<br>(m) | Single/<br>Multi-<br>Stemmed<br>(S or MS) | Stem<br>Diam<br>(mm) | Branch<br>Spread<br>(m) |   |   |   | H't of Crown<br>AGL<br>(m) |   |   |   | Life<br>Stage | Physio-<br>logical<br>Condition | Structural<br>Condition<br>and<br>General Observations                | Preliminary<br>Management<br>Recommendations | Est.<br>Rem.<br>Contrib.<br>(Yrs) | Cat  |
|---------|-----------------|------------|-------------------------------------------|----------------------|-------------------------|---|---|---|----------------------------|---|---|---|---------------|---------------------------------|-----------------------------------------------------------------------|----------------------------------------------|-----------------------------------|------|
|         |                 |            |                                           |                      | N                       | E | S | W | N                          | E | S | W |               |                                 |                                                                       |                                              |                                   |      |
| G17.23  | Pedunculate Oak | -          | S                                         | 530                  | -                       | - | - | - | -                          | - | - | - | M             | Good                            | Fair<br>Ivy on trunk and in crown                                     | -                                            | 40+                               | B1+2 |
| G17.24  | Pedunculate Oak | -          | S                                         | 650                  | -                       | - | - | - | -                          | - | - | - | M             | Good                            | Fair<br>Ivy on trunk and in crown                                     | -                                            | 40+                               | B1+2 |
| G17.25  | Common Hazel    | -          | MS <5                                     | 140                  | -                       | - | - | - | -                          | - | - | - | EM            | Good                            | Fair<br>Multi-stemmed at ground level                                 | -                                            | 20+                               | C1+2 |
| G17.26  | Common Hazel    | -          | MS >6                                     | 100                  | -                       | - | - | - | -                          | - | - | - | EM            | Good                            | Fair<br>Multi-stemmed at ground level                                 | -                                            | 20+                               | C1+2 |
| G17.27  | Common Ash      | -          | MS <5                                     | 520                  | -                       | - | - | - | -                          | - | - | - | EM            | Fair                            | Fair<br>Bifurcated at ground level<br>North trunk snapped and hung up | -                                            | 10+                               | C1+2 |
| G17.28  | Common Hazel    | -          | MS >6                                     | 200                  | -                       | - | - | - | -                          | - | - | - | EM            | Fair                            | Fair<br>Multi-stemmed at ground level                                 | -                                            | 20+                               | C1+2 |
| G17.29  | Elm             | -          | S                                         | 90                   | -                       | - | - | - | -                          | - | - | - | Y             | Fair                            | Fair                                                                  | -                                            | 10+                               | C1+2 |
| G17.30  | Common Hazel    | -          | MS <5                                     | 150                  | -                       | - | - | - | -                          | - | - | - | SM            | Good                            | Fair<br>Bifurcated at ground level                                    | -                                            | 10+                               | C1+2 |
| G17.31  | Common Hazel    | -          | MS <5                                     | 100                  | -                       | - | - | - | -                          | - | - | - | SM            | Good                            | Fair<br>Multi-stemmed at ground level                                 | -                                            | 20+                               | C1+2 |
| G17.32  | Common Hazel    | -          | MS >6                                     | 260                  | -                       | - | - | - | -                          | - | - | - | M             | Good                            | Fair<br>Multi-stemmed at ground level                                 | -                                            | 10+                               | C1+2 |
| G17.33  | Common Hazel    | -          | MS >6                                     | 200                  | -                       | - | - | - | -                          | - | - | - | M             | Good                            | Fair<br>Multi-stemmed at ground level                                 | -                                            | 10+                               | C1+2 |
| G17.34  | Common Hazel    | -          | MS >6                                     | 260                  | -                       | - | - | - | -                          | - | - | - | M             | Good                            | Fair<br>Multi-stemmed at ground level                                 | -                                            | 10+                               | C1+2 |

| Tree No | Species                | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) |   |   |   | H't of Crown AGL (m) |   |   |   | Life Stage | Physio-logical Condition | Structural Condition and General Observations                 | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat  |
|---------|------------------------|---------|---------------------------------|----------------|-------------------|---|---|---|----------------------|---|---|---|------------|--------------------------|---------------------------------------------------------------|----------------------------------------|--------------------------|------|
|         |                        |         |                                 |                | N                 | E | S | W | N                    | E | S | W |            |                          |                                                               |                                        |                          |      |
| G17.35  | Common Hazel           | -       | MS >6                           | 170            | -                 | - | - | - | -                    | - | - | - | M          | Good                     | Fair<br>Multi-stemmed at ground level                         | -                                      | 10+                      | C1+2 |
| H1      | Hawthorn               | 2.5     | S                               | 90             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Fair<br>Field boundary hedge becoming unmaintained            | Continue annual pruning                | 20+                      | B2   |
| H2      | Hawthorn<br>Blackthorn | 2.5     | S                               | 90             | -                 | - | - | - | -                    | - | - | - | SM         | Good                     | Fair<br>Field boundary hedge becoming unmaintained            | Continue annual pruning                | 20+                      | B2   |
| H3      | Hawthorn<br>Blackthorn | 2       | S                               | 75             | -                 | - | - | - | -                    | - | - | - | SM         | Fair                     | Fair<br>Field boundary hedge becoming overgrown with brambles | Continue annual pruning                | 10+                      | C1+2 |



**KEY**

- ROOT PROTECTION AREA (RPA)
- CROWN SPREAD
- CATEGORY
- TREE NUMBER
- SPECIES
- CATEGORY

● CATEGORY A TREES  
● CATEGORY B TREES  
● CATEGORY C TREES  
● CATEGORY U TREES

NOTE: Treegroup numbers marked with an \* have approximate locations.

JOB TITLE:  
Chalcroft Business Park - Paddock

DRAWING TITLE:  
Tree Survey Plan

CBA DRAWING NO:  
CBA11012PA.OIA TSP

BASE PLAN DRAWING NO:  
CBA11012.OIB TSP

SCALE  
1:250 @ A0

DRAWN  
NB 4 AM

DATE  
August 2023

THIS DRAWING IS COPYRIGHT OF CBA. Trees and GROUPS NOT BE REPRODUCED WITHOUT PERMISSION. ALL MEASUREMENTS MUST BE TAKEN ON SITE AND NOT SCALED FROM THE PLAN.

**CBA**  
Chalcroft Business Park  
100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 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700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 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1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 22



|  | BS5837:2012 TREE ROOT PROTECTION AREA SCHEDULE |                                                                |
|-----------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------|
|                                                                                   | <b>Site:</b>                                   | The Paddock Area at Chalcroft Buisness Park                    |
|                                                                                   | <b>Date:</b>                                   | 27th April 2023 (updated 10th July 2023)                       |
|                                                                                   | <b>Consultant:</b>                             | Stefan Rose <i>BSc (Hons), TechCert (Arbor.A), TechArbor.A</i> |

## Notes:

1. This is an assessment of the Root Protection Area (RPA) required, based on the individual tree data collected and Section 4.6.1 of BS5837:2012.
2. For all single stem trees with a stem diameter greater than 1250mm, and multi-stem trees with a stem diameter greater than 1500mm, the calculated RPA has been capped at 707m<sup>2</sup> in accordance with Section 4.6.1 of BS5837:2012. T32 has not had the RPA capped due to its age.

## TREE PRESERVATION ORDER:

CBA Trees is aware that an Area Tree Preservation Order with reference TPO-876-E was served on 22nd June 2023 which protects all tree species on site.

| Tree No | Species                          | Category | Single/<br>Multi-Stemmed<br>(S or MS) | Stem<br>Diameter<br>(mm) | Initial Linear<br>Root Protection Distance<br>(Radius m) | Root Protection Area<br>(m <sup>2</sup> ) |
|---------|----------------------------------|----------|---------------------------------------|--------------------------|----------------------------------------------------------|-------------------------------------------|
| 24      | Norway Spruce<br>Picea abies     | C1+2     | S                                     | 500                      | 6.00                                                     | 113.11                                    |
| 25      | Pedunculate Oak<br>Quercus robur | B1+2     | S                                     | 730                      | 8.76                                                     | 241.11                                    |
| 26      | Pedunculate Oak<br>Quercus robur | A1+2     | S                                     | 1150                     | 13.80                                                    | 598.36                                    |
| 27      | Pedunculate Oak<br>Quercus robur | C1+2     | S                                     | 580                      | 6.96                                                     | 152.20                                    |
| 28      | Pedunculate Oak<br>Quercus robur | B1+2     | S                                     | 820                      | 9.84                                                     | 304.23                                    |
| 29      | Ash x1<br>Pedunculate Oak x1     | C1+2     | MS <5                                 | 850                      | 10.20                                                    | 326.89                                    |
| 30      | Pedunculate Oak<br>Quercus robur | C1+2     | S                                     | 790                      | 9.48                                                     | 282.37                                    |
| 31      | Pedunculate Oak<br>Quercus robur | A1+2     | S                                     | 740                      | 8.88                                                     | 247.76                                    |

| Tree No | Species                                                   | Category        | Single/<br>Multi-Stemmed<br>(S or MS) | Stem<br>Diameter<br>(mm) | Initial Linear<br>Root Protection Distance<br>(Radius m) | Root Protection Area<br>(m2) |
|---------|-----------------------------------------------------------|-----------------|---------------------------------------|--------------------------|----------------------------------------------------------|------------------------------|
| 32      | Pedunculate Oak<br>Quercus robur                          | A1+2+3          | S                                     | 1460                     | 21.90                                                    | 1506.70                      |
| 33      | Pedunculate Oak<br>Quercus robur                          | C1+2<br>Interim | S                                     | 600                      | 7.20                                                     | 162.88                       |
| 34      | Pedunculate Oak<br>Quercus robur                          | C1+2            | S                                     | 520                      | 6.24                                                     | 122.34                       |
| 35      | Previously removed                                        | -               | -                                     | 650                      | 7.80                                                     | 191.16                       |
| Grp 13  | Hawthorn<br>Ash<br>Hazel                                  | C1+2            | S                                     | 400                      | 4.80                                                     | 72.39                        |
| Grp 14  | Pedunculate Oak<br>Common Ash<br>Silver Birch<br>Hawthorn | B1+2            | S                                     | See below<br>(est)       | -                                                        | -                            |
| G14.1   | Pedunculate Oak                                           | B1+2            | S                                     | 450                      | 5.40                                                     | 91.62                        |
| G14.2   | Pedunculate Oak                                           | B1+2            | S                                     | 300                      | 3.60                                                     | 40.72                        |
| G14.3   | Pedunculate Oak                                           | B1+2            | S                                     | 360                      | 4.32                                                     | 58.64                        |
| G14.4   | Pedunculate Oak                                           | B1+2            | S                                     | 370                      | 4.44                                                     | 61.94                        |
| G14.5   | Pedunculate Oak                                           | B1+2            | S                                     | 450                      | 5.40                                                     | 91.62                        |
| G14.6   | Pedunculate Oak                                           | B1+2            | S                                     | 500                      | 6.00                                                     | 113.11                       |
| G14.7   | Pedunculate Oak                                           | B1+2            | S                                     | 460                      | 5.52                                                     | 95.74                        |
| G14.8   | Pedunculate Oak                                           | B1+2            | S                                     | 420                      | 5.04                                                     | 79.81                        |
| G14.9   | Ash                                                       | B1+2            | MS <5                                 | 790                      | 9.48                                                     | 282.37                       |

| Tree No | Species                                                      | Category | Single/<br>Multi-Stemmed<br>(S or MS) | Stem<br>Diameter<br>(mm) | Initial Linear<br>Root Protection Distance<br>(Radius m) | Root Protection Area<br>(m2) |
|---------|--------------------------------------------------------------|----------|---------------------------------------|--------------------------|----------------------------------------------------------|------------------------------|
| G14.10  | Pedunculate Oak                                              | C1+2     | S                                     | 550                      | 6.60                                                     | 136.87                       |
| G14.11  | Pedunculate Oak                                              | B1+2     | S                                     | 600                      | 7.20                                                     | 162.88                       |
| Grp 15  | Lawson Cypress<br>Common Ash<br>Silver Birch                 | C1       | S                                     | 350                      | 4.20                                                     | 55.42                        |
| Grp 16  | Blackthorn<br>Goat Willow<br>Common Ash                      | C1       | S                                     | 120                      | 1.44                                                     | 6.52                         |
| Grp 17  | Pedunculate Oak<br>Common Ash<br>Common Hazel<br>Field Maple | B1+2     | S / MS                                | See below                | -                                                        | -                            |
| G17.1   | Pedunculate Oak                                              | B1+2     | S                                     | 590                      | 7.08                                                     | 157.50                       |
| G17.2   | Pedunculate Oak                                              | U        | S                                     | 450                      | -                                                        | -                            |
| G17.3   | Pedunculate Oak                                              | C1+2     | S                                     | 460                      | 5.52                                                     | 95.74                        |
| G17.4   | Pedunculate Oak                                              | C1+2     | S                                     | 530                      | 6.36                                                     | 127.09                       |
| G17.5   | Common Ash                                                   | C1+2     | MS <5                                 | 500                      | 6.00                                                     | 113.11                       |
| G17.6   | Common Hazel                                                 | C1       | MS <5                                 | 200                      | 2.40                                                     | 18.10                        |
| G17.7   | Field Maple                                                  | C1+2     | MS <5                                 | 300                      | 3.60                                                     | 40.72                        |
| G17.8   | Common Ash                                                   | C1+2     | MS <5                                 | 720                      | 8.64                                                     | 234.55                       |
| G17.9   | Common Ash                                                   | C1+2     | S                                     | 230                      | 2.76                                                     | 23.93                        |

| Tree No | Species         | Category | Single/<br>Multi-Stemmed<br>(S or MS) | Stem<br>Diameter<br>(mm) | Initial Linear<br>Root Protection Distance<br>(Radius m) | Root Protection Area<br>(m2) |
|---------|-----------------|----------|---------------------------------------|--------------------------|----------------------------------------------------------|------------------------------|
| G17.10  | Pedunculate Oak | C1+2     | S                                     | 590                      | 7.08                                                     | 157.50                       |
| G17.11  | Field Maple     | C1+2     | S                                     | 360                      | 4.32                                                     | 58.64                        |
| G17.12  | Common Ash      | C1+2     | MS <5                                 | 740                      | 8.88                                                     | 247.76                       |
| G17.13  | Common Hazel    | C1+2     | MS >6                                 | 240                      | 2.88                                                     | 26.06                        |
| G17.14  | Common Hazel    | C1+2     | MS >6                                 | 150                      | 1.80                                                     | 10.18                        |
| G17.15  | Common Hazel    | C1+2     | MS >6                                 | 170                      | 2.04                                                     | 13.08                        |
| G17.16  | Common Hazel    | C1+2     | MS <5                                 | 190                      | 2.28                                                     | 16.33                        |
| G17.17  | Common Hazel    | C1+2     | MS >6                                 | 170                      | 2.04                                                     | 13.08                        |
| G17.18  | Common Hazel    | B1+2     | S                                     | 370                      | 4.44                                                     | 61.94                        |
| G17.19  | Pedunculate Oak | B1+2     | S                                     | 940                      | 11.28                                                    | 399.78                       |
| G17.20  | Pedunculate Oak | B1+2     | S                                     | 640                      | 7.68                                                     | 185.32                       |
| G17.21  | Common Beech    | B1+2     | S                                     | 290                      | 3.48                                                     | 38.05                        |
| G17.22  | Scots Pine      | -        | -                                     | -                        | -                                                        | -                            |
| G17.23  | Pedunculate Oak | B1+2     | S                                     | 530                      | 6.36                                                     | 127.09                       |
| G17.24  | Pedunculate Oak | B1+2     | S                                     | 650                      | 7.80                                                     | 191.16                       |
| G17.25  | Common Hazel    | C1+2     | MS <5                                 | 140                      | 1.68                                                     | 8.87                         |

| Tree No | Species                | Category | Single/<br>Multi-Stemmed<br>(S or MS) | Stem<br>Diameter<br>(mm) | Initial Linear<br>Root Protection Distance<br>(Radius m) | Root Protection Area<br>(m2) |
|---------|------------------------|----------|---------------------------------------|--------------------------|----------------------------------------------------------|------------------------------|
| G17.26  | Common Hazel           | C1+2     | MS >6                                 | 100                      | 1.20                                                     | 4.52                         |
| G17.27  | Common Ash             | C1+2     | MS <5                                 | 520                      | 6.24                                                     | 122.34                       |
| G17.28  | Common Hazel           | C1+2     | MS >6                                 | 200                      | 2.40                                                     | 18.10                        |
| G17.29  | Elm                    | C1+2     | S                                     | 90                       | 1.08                                                     | 3.66                         |
| G17.30  | Common Hazel           | C1+2     | MS <5                                 | 150                      | 1.80                                                     | 10.18                        |
| G17.31  | Common Hazel           | C1+2     | MS <5                                 | 100                      | 1.20                                                     | 4.52                         |
| G17.32  | Common Hazel           | C1+2     | MS >6                                 | 260                      | 3.12                                                     | 30.59                        |
| G17.33  | Common Hazel           | C1+2     | MS >6                                 | 200                      | 2.40                                                     | 18.10                        |
| G17.34  | Common Hazel           | C1+2     | MS >6                                 | 260                      | 3.12                                                     | 30.59                        |
| G17.35  | Common Hazel           | C1+2     | MS >6                                 | 170                      | 2.04                                                     | 13.08                        |
| H1      | Hawthorn               | B2       | S                                     | 90                       | 1.08                                                     | 3.66                         |
| H2      | Hawthorn<br>Blackthorn | B2       | S                                     | 90                       | 1.08                                                     | 3.66                         |
| H3      | Hawthorn<br>Blackthorn | C1+2     | S                                     | 75                       | 0.90                                                     | 2.55                         |



|                                                                                   |                            |                                             |                                                                                |
|-----------------------------------------------------------------------------------|----------------------------|---------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>TREE WORKS SCHEDULE</b> |                                             |                                                                                |
|                                                                                   | <b>Site:</b>               | The Paddock Area at Chalcroft Business Park |                                                                                |
|                                                                                   | <b>Date:</b>               | October 2023                                | <b>Consultant:</b> Stefan Rose <i>BSc (Hons), Tech Cert ArborA, TechArborA</i> |

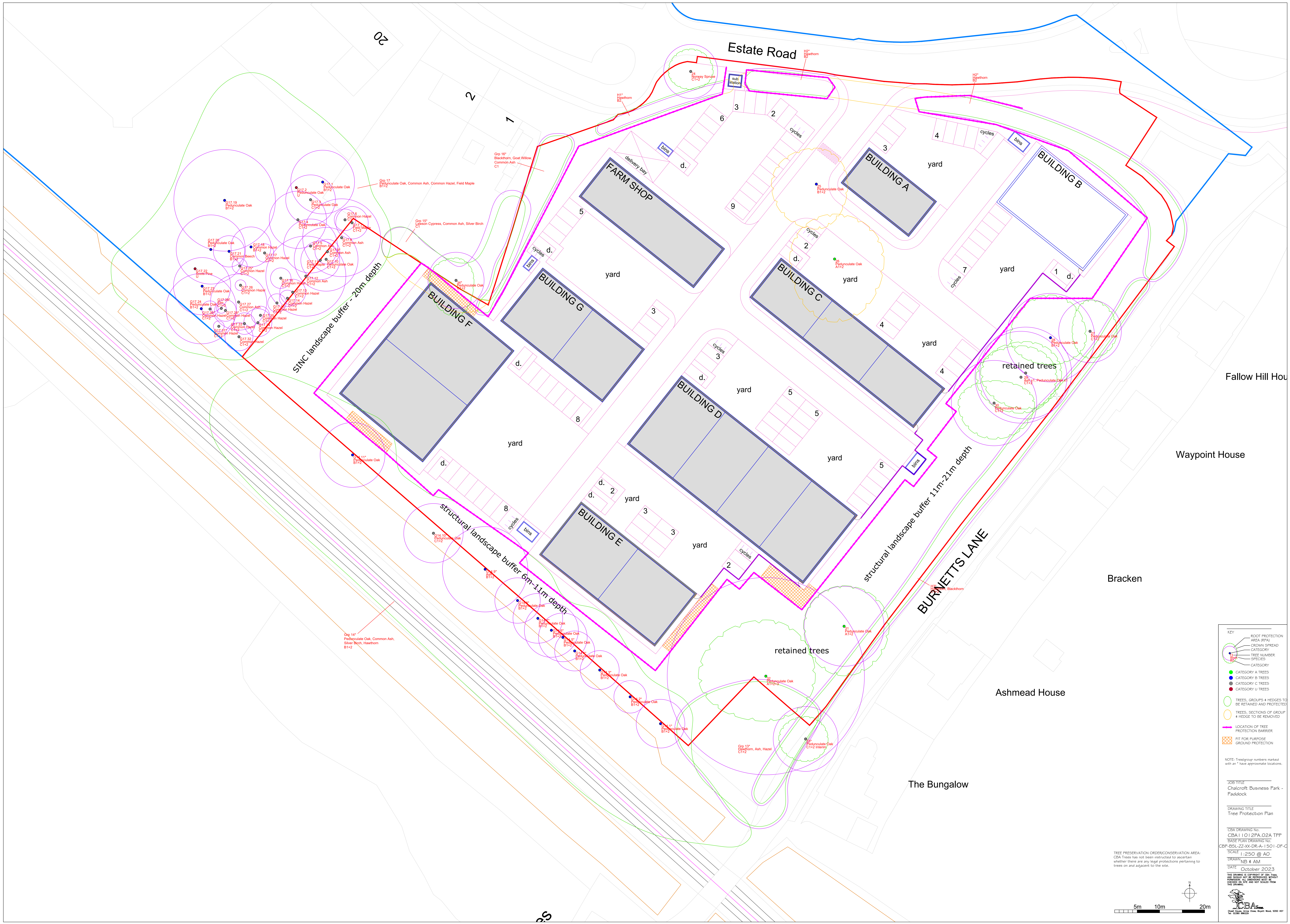
| Tree No. | Species                                                   | Recommended Works                                                                                                              |
|----------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 24       | Norway Spruce<br>Picea abies                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 25       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>Fell and remove stump</li> </ul>                                                        |
| 26       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>Fell and remove stump</li> </ul>                                                        |
| 27       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 28       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 29       | Ash x1<br>Pedunculate Oak x1                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 30       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 31       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 32       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 33       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| 34       | Pedunculate Oak<br>Quercus robur                          | <ul style="list-style-type: none"> <li>Reduce/lift lateral spread to provide 1m separation from new building</li> </ul>        |
| 35       | Previously removed                                        | <ul style="list-style-type: none"> <li>-</li> </ul>                                                                            |
| Grp 13   | Hawthorn<br>Ash<br>Hazel                                  | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| Grp 14   | Pedunculate Oak<br>Common Ash<br>Silver Birch<br>Hawthorn | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |
| G14.1    | Pedunculate Oak                                           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G14.2    | Pedunculate Oak                                           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G14.3    | Pedunculate Oak                                           | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |
| G14.4    | Pedunculate Oak                                           | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |
| G14.5    | Pedunculate Oak                                           | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |
| G14.6    | Pedunculate Oak                                           | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |
| G14.7    | Pedunculate Oak                                           | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |

| Tree No. | Species                                                      | Recommended Works                                                                                                              |
|----------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| G14.8    | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |
| G14.9    | Ash                                                          | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building as required</li> </ul> |
| G14.10   | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G14.11   | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 2m separation from new building</li> </ul>             |
| Grp 15   | Lawson Cypress<br>Common Ash<br>Silver Birch                 | <ul style="list-style-type: none"> <li>Reduce lateral spread to provide 1m separation from new building</li> </ul>             |
| Grp 16   | Blackthorn<br>Goat Willow<br>Common Ash                      | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| Grp 17   | Pedunculate Oak<br>Common Ash<br>Common Hazel<br>Field Maple | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.1    | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.2    | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>Make safe and retain for habitat value</li> </ul>                                       |
| G17.3    | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.4    | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.5    | Common Ash                                                   | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.6    | Common Hazel                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.7    | Field Maple                                                  | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.8    | Common Ash                                                   | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.9    | Common Ash                                                   | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.10   | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.11   | Field Maple                                                  | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.12   | Common Ash                                                   | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.13   | Common Hazel                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.14   | Common Hazel                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.15   | Common Hazel                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.16   | Common Hazel                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.17   | Common Hazel                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.18   | Common Hazel                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.19   | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.20   | Pedunculate Oak                                              | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |
| G17.21   | Common Beech                                                 | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                            |

| Tree No. | Species                | Recommended Works                                                                                                                                                                                                                                                           |
|----------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| G17.22   | Scots Pine             | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.23   | Pedunculate Oak        | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.24   | Pedunculate Oak        | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.25   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.26   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.27   | Common Ash             | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.28   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.29   | Elm                    | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.30   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.31   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.32   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.33   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.34   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| G17.35   | Common Hazel           | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |
| H1       | Hawthorn               | <ul style="list-style-type: none"> <li>Remove eastern end section to provide 1m separation from substation</li> </ul>                                                                                                                                                       |
| H2       | Hawthorn<br>Blackthorn | <ul style="list-style-type: none"> <li>Remove western end section to provide 1m separation from substation</li> <li>Clip and reduce northern side of hedging for visibility splay requirements</li> <li>Remove section of hedge for new access road and footpath</li> </ul> |
| H3       | Hawthorn<br>Blackthorn | <ul style="list-style-type: none"> <li>None required for planning layout</li> </ul>                                                                                                                                                                                         |

- It is advised that all remedial tree works such as pruning is carried out between July and September or November and February. Tree works should also avoid the season for nesting birds.
- All tree works should be carried out in accordance with current best practice guidelines and BS3998: 2010 – Tree Works. Only natural target pruning method to be used.
- We recommend the use of an Arboricultural Association Approved Contractor or an ISA Certified Arborist/Tree Worker suitably insured and experienced to carry out the tree works.





**KEY**

- ROOT PROTECTION AREA (RPA)
- CROWN SPREAD
- CATEGORY
- TREE NUMBER
- SPECIES
- CATEGORY
- CATEGORY A TREES
- CATEGORY B TREES
- CATEGORY C TREES
- CATEGORY U TREES
- TREES, GROUPS & HEDGES TO BE RETAINED AND PROTECTED
- TREES, SECTIONS OF GROUP & HEDGE TO BE REMOVED
- LOCATION OF TREE PROTECTION BARRIER
- FIT FOR PURPOSE GROUND PROTECTION

NOTE: Treegroup numbers marked with an \* have approximate locations.

JOB TITLE:  
Chalcroft Business Park - Paddock

DRAWING TITLE:  
Tree Protection Plan

CBA DRAWING NO:  
CBA 11012FA-02A TPP

BASE PLAN DRAWING NO:  
CBP-B5L-ZZ-XX-DR-A-1501-DF-C

SCALE 1:250 @ A0

DRAWN  
NB & AM

DATE  
October 2023

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**CBA**  
Chalcroft Business Park, Burnetts Lane, Burnetts Road, 5500 411  
Tel: 01250 340222

TREE PRESERVATION ORDER/CONSERVATION AREA:  
CBA Trees has not been instructed to ascertain whether there are any legal protections pertaining to trees on and adjacent to the site.

5m 10m 20m

N





*The Professional Arboricultural Consultancy*

## Qualifications of Stefan Rose Principal Consultant

**Stefan Rose** *BSc (Hons), TechCert (Arbor.A), TechArbor.A*, joined CBA Trees in 1998 as a junior surveyor and having gained extensive knowledge and a wealth of experience over the years including Professional Tree Inspectors Certification (LANTRA), has progressed to Principal Consultant. He has considerable experience in working as a locum for Local Authorities, assessing new and extant Tree Preservation Orders, and continues to work on a number of major development projects nationwide.

As our Principal Consultant Stefan undertakes a full range of arboricultural services from health and safety audits to BS5837:2012 tree surveys, providing expert advice and guidance on initial feasibility site assessments to full scale planning applications. He is accomplished at producing implication assessments and method statements for the submission of planning applications, working with both individual home owners and within multi-disciplinary teams to achieve successful arboricultural outcomes.