



Arboricultural Report  
&  
Tree Constraints Plan  
at

Sketchley Hill House, Rugby Road, Burbage,  
Hinckley

for

Sketchley Developments Ltd

16/03/22

2022-02(01)

Survey date: 14<sup>th</sup> January 2022

| Report Version | Date     | Author:                                                 | Quality check by:  | Approved by:                            |
|----------------|----------|---------------------------------------------------------|--------------------|-----------------------------------------|
| Original       | 16/03/22 | John Crawshaw<br>M.Arbor.A.<br>Senior Arboriculturalist | Susan Roderick BSc | George Burton, MCIAT.,<br>CEnv., ACIEEM |

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## 1 Introduction

### 1.1 Instruction

Ecolocation were commissioned by Sketchley Developments Ltd to provide an Arboricultural report for the trees within Sketchley Hill House, Rugby Road, Burbage, Hinckley hereafter referred to as the 'Site', as shown on the Tree Constraints Plan, which it was understood would be subject to a future planning application for new development.

#### 1.1.1 Site location

The Site comprises a residential property with garden and old orchard to the rear containing a variety of trees as shown in Figure 1.



Figure 1: Survey boundary

### 1.2 Limitations of use and copyright

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## 2 Methodology

### 2.1 Site Visit

The Site was visited by suitably qualified Arboriculturalist John Crawshaw (M.Arbor.A. RFS Cert Arb) on Friday 14<sup>th</sup> January 2022. The survey took approximately 3 hours. This report is based on site observations and the provided information. Conclusions were drawn in the light of their experience and qualifications above.

### 2.2 Limitations

There were no limitations at the time of the survey. Access to the adjacent land was taken from publicly accessible areas.

## 2.3 Tree Observation

The trees were visually inspected, and the information recorded below. Each tree has been given a classification relevant to BS5837 2012.

| CASCADE CHART FOR TREE QUALITY ASSESSMENT (from British Standard 5837:2012 "Trees in Relation to Design, Demolition and Construction")                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |                                                                                                                                        |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| TREES FOR REMOVAL                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |                                                                                                                                        |                        |
| Category and Definition                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Criteria                                                                                                                                                                                                                                                          | Identification on Plan                                                                                                                 |                        |
| Category U<br>Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years | <ul style="list-style-type: none"><li>➢ Trees that have a serious, irreparable, structural defect, such that their early loss is expected due to collapse, including those that will become unstable after removal of other U category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning).</li><li>➢ Trees that are dead or are showing signs of significant, immediate and irreversible overall decline.</li><li>➢ Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality.</li></ul> <p>NOTE: Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7</p> |                                                                                                                                                                                                                                                                   | DARK RED                                                                                                                               |                        |
| TREES TO BE CONSIDERED FOR RETENTION                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |                                                                                                                                        |                        |
| Category and Definition                                                                                                                                            | Criteria – Subcategories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                   |                                                                                                                                        | Identification on Plan |
|                                                                                                                                                                    | 1. Mainly Arboricultural Qualities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2. Mainly Landscape Qualities                                                                                                                                                                                                                                     | 3. Mainly Cultural Values, Including Conservation                                                                                      |                        |
| Category A<br>Those of high quality with a estimated remaining life expectancy of at least 40 years                                                                | Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features                                                                                                                                                            | Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture). | LIGHT GREEN            |
| Category B<br>Those of moderate quality with a estimated remaining life expectancy of at least 20 years                                                            | Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of unsympathetic past management and storm damage) such that they are unlikely to be suitable for retention for beyond 40 years; or lacking the merit for Category A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 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 clearly identifiable conservation or other cultural benefits.                                                               | MID BLUE               |
| Category C<br>Those of low quality with an estimated 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 very limited conservation or other cultural benefits.                                                                       | GREY                   |

## 2.4 Trees

### 2.4.1 Tree Survey Schedule

| Ref | Species          | H/T | Stems | Dia<br>mm | Canopy |     |     |     | First<br>Branch | Crown<br>H/T | Age          | Yrs | Cat | Observations                                                                                               | Recommendations            | RPA (r) | RPA (a) | TPO/CON |
|-----|------------------|-----|-------|-----------|--------|-----|-----|-----|-----------------|--------------|--------------|-----|-----|------------------------------------------------------------------------------------------------------------|----------------------------|---------|---------|---------|
|     |                  |     |       |           | N      | E   | S   | W   |                 |              |              |     |     |                                                                                                            |                            |         |         |         |
| T1  | Conifer          | 7   | S     | 425       | 2.5    | 1   | 2.5 | 2   | 3S              | 0.5          | Mature       | 30  | C   | Dieback in upper canopy                                                                                    | Monitor condition          | 5.1     | 81.7    | None    |
| T2  | Holly            | 5   | S     | 150       | 1.5    | 1.5 | 1.5 | 1.5 | 2E              | 1.5          | Early Mature | 40  | B   | Good overall condition                                                                                     | None                       | 1.8     | 10.2    | None    |
| T3  | Conifer          | 8   | S     | 150       | 1      | 1   | 1   | 1   | 2N              | 2            | Young        | 40  | C   | Good overall condition                                                                                     | None                       | 1.8     | 10.2    | None    |
| T4  | Conifer          | 12  | S     | 500       | 3      | 1.5 | 2.5 | 2   | 2W              | 1.5          | Mature       | 40  | B   | Good overall condition                                                                                     | None                       | 6       | 113.1   | None    |
| T5  | Rowan            | 4   | S     | 125       | 1      | 1   | 1   | 1   | 2S              | 1.5          | Mature       | 30  | B   | Good overall condition                                                                                     | None                       | 1.5     | 7.1     | None    |
| T6  | Plum             | 4   | S     | 200       | 2      | 2   | 2   | 2   | 1N              | 1.5          | Early Mature | 20  | C   | Good overall condition                                                                                     | None                       | 2.4     | 18.1    | None    |
| T7  | Oak              | 12  | S     | 775       | 8      | 7   | 8   | 8   | 3S              | 3            | Early Mature | 40+ | A   | Good overall condition                                                                                     | None                       | 9.3     | 271.7   | TPO     |
| T8  | Acer             | 4   | S     | 250       | 3      | 3   | 3   | 3   | 1S              | 1            | Early Mature | 40  | C   | Good overall condition                                                                                     | None                       | 3       | 28.3    | None    |
| T9  | Silver Birch     | 14  | S     | 500       | 5      | 5   | 5   | 5   | 3N              | 3            | Mature       | 20  | B   | Good overall condition                                                                                     | None                       | 6       | 113.1   | None    |
| T10 | Cherry           | 5   | S     | 150       | 2      | 1   | 1   | 1   | 2N              | 2            | Early Mature | 20  | C   | Severely topped tree in neighbouring property                                                              | Monitor condition          | 1.8     | 10.2    | None    |
| T11 | Conifer          | 3   | S     | 100       | 1      | 1   | 1   | 1   | 2S              | 1.5          | Early Mature | 30  | C   | Good overall condition, within neighbouring property                                                       | Maintain management regime | 1.2     | 4.5     | None    |
| T12 | Sycamore         | 6   | M     | 400       | 2      | 2   | 1.5 | 2   | 3S              | 3            | Early Mature | 20  | C   | Severely and poorly pruned specimen                                                                        | Monitor condition          | 4       | 50.3    | None    |
| T13 | Ash?             | 6   | S     | 450       | 2      | 2   | 2   | 2   | 3N              | 4            | Early Mature | 20  | C   | Severely and poorly pruned specimen                                                                        | Monitor condition          | 5.4     | 91.6    | None    |
| T14 | Cherry           | 5   | S     | 250       | 3      | 3   | 3   | 3   | 2S              | 3            | Early Mature | 30  | C   | Good overall condition, within neighbouring property                                                       | None                       | 3       | 28.3    | None    |
| T15 | Silver Birch     | 15  | S     | 350       | 4      | 2   | 3   | 3   | 2S              | 1.5          | Early Mature | 30  | B   | Good overall condition                                                                                     | None                       | 4.2     | 55.4    | None    |
| T16 | Pear             | 8   | S     | 350       | 3      | 3   | 3   | 3   | 2N              | 1.5          | Mature       | 30  | B   | Good overall condition, minor deadwood                                                                     | Remove Deadwood            | 4.2     | 55.4    | TPO     |
| T17 | Conifer          | 3   | S     | 200       | 1      | 0.5 | 1   | 0.5 | .5N             | 0.5          | Early Mature | 40  | C   | Good overall condition                                                                                     | None                       | 2.4     | 18.1    | None    |
| T18 | Conifer          | 3   | S     | 225       | 1      | 0.5 | 1   | 1   | .5S             | 0.5          | Early Mature | 40  | C   | Good overall condition                                                                                     | None                       | 2.7     | 22.9    | None    |
| T19 | Cherry           | 4   | S     | 100       | 1.5    | 1.5 | 1.5 | 1.5 | .5N             | 1.5          | Young        | 40  | C   | Good overall condition                                                                                     | None                       | 1.2     | 4.5     | None    |
| T20 | Apple            | 5   | S     | 300       | 3      | 4   | 4   | 3   | 1E              | 1.5          | Early Mature | 40  | B   | Good overall condition, minor deadwood present                                                             | Remove Deadwood            | 3.6     | 40.7    | None    |
| T21 | Apple            | 5   | S     | 275       | 3      | 4   | 4   | 3   | 1W              | 1.5          | Early Mature | 40  | B   | Good overall condition, minor deadwood present                                                             | Remove Deadwood            | 3.3     | 34.2    | None    |
| T22 | Pear             | 5   | S     | 425       | 2.5    | 2.5 | 2.5 | 2.5 | 2N              | 1.5          | Mature       | 20  | C   | Decay in upper canopy                                                                                      | Monitor condition          | 5.1     | 81.7    | None    |
| T23 | Apple            | 5   | S     | 400       | 2.5    | 4   | 3   | 3   | 2N              | 2            | Mature       | 30  | B   | Good overall condition, minor decay in upper canopy                                                        | Monitor condition          | 4.8     | 72.4    | None    |
| T24 | Pear             | 6   | S     | 450       | 3      | 4   | 3   | 3   | 2W              | 1.5          | Mature       | 20  | C   | Decay in upper canopy                                                                                      | Monitor condition          | 5.4     | 91.6    | None    |
| T25 | Apple            | 5   | S     | 325       | 3      | 3   | 3   | 3   | 1E              | 1.5          | Mature       | 20  | C   | Good overall condition                                                                                     | None                       | 3.9     | 47.8    | None    |
| T26 | Apple            | 5   | S     | 450       | 3      | 4   | 4   | 3   | 1S              | 1.5          | Mature       | <10 | C   | Significant decay in main stem filled with concrete, decay in upper canopy. Fungal bracket on lateral limb | Monitor/possible removal   | 5.4     | 91.6    | TPO     |
| T27 | Plum             | 4   | S     | 325       | 2      | 3   | 3   | 3   | 1N              | 1.5          | Over Mature  | <10 | C   | Significant decay in main stem                                                                             | Monitor condition          | 3.9     | 47.8    | None    |
| T28 | Plum             | 3   | S     | 125       | 1      | 1.5 | 2.5 | 1.5 | 1S              | 0.5          | Early Mature | 10  | C   | Snapped out limbs and splitting in upper canopy                                                            | Monitor condition          | 1.5     | 7.1     | TPO     |
| T29 | Apple            | 3   | S     | 175       | 1.5    | 1.5 | 1.5 | 1.5 | 1W              | 1.5          | Mature       | 20  | C   | Minor deadwood present                                                                                     | Remove Deadwood            | 2.1     | 13.9    | None    |
| T30 | Pear             | 4   | S     | 250       | 1.5    | 2   | 2.5 | 1   | 1S              | 1.5          | Mature       | <10 | C   | Hollow main stem and significant decay in upper canopy                                                     | Monitor/possible removal   | 3       | 28.3    | None    |
| T31 | Plum             | 5   | M     | 350       | 3      | 3   | 2   | 1   | 1E              | 1            | Mature       | <10 | C   | Evidence of bleeding canker and included base                                                              | Monitor condition          | 3.5     | 38.5    | None    |
| T32 | Apple            | 4   | S     | 200       | 2.5    | 2.5 | 2.5 | 2.5 | 1W              | 1.5          | Mature       | 10  | C   | Decay present in main stem                                                                                 | Monitor condition          | 2.4     | 18.1    | None    |
| T33 | Cherry           | 4   | S     | 200       | 2      | 2   | 2   | 2   | 1S              | 1.5          | Early Mature | 20  | C   | Good overall condition                                                                                     | None                       | 2.4     | 18.1    | None    |
| T34 | Laurel           | 3   | M     | 200       | 3      | 1.5 | 2   | 1.5 | .5N             | 0            | Early Mature | 40  | C   | Good overall condition                                                                                     | None                       | 2       | 12.6    | None    |
| T35 | Pear             | 6   | S     | 350       | 2.5    | 2.5 | 2.5 | 2.5 | 2S              | 2            | Mature       | 30  | B   | Good overall condition, minor decay in upper canopy                                                        | None                       | 4.2     | 55.4    | TPO     |
| T36 | Plum             | 3   | S     | 100       | 1      | 0.5 | 1.5 | 1.5 | 2S              | 1.5          | Mature       | 10  | C   | Decay in main stem                                                                                         | Monitor/possible removal   | 1.2     | 4.5     | None    |
| T37 | Contorted willow | 2   | S     | 100       | 0.5    | 0.5 | 1   | 0.5 | .5E             | 0.5          | Early Mature | 10  | C   | Minor decay in base                                                                                        | Monitor/possible removal   | 1.2     | 4.5     | None    |

### 2.4.2 Hedgerows

There is one hedgerow within the site. H1 and comprises a clipped conifer hedge.

### 2.4.3 Glossary of Terms

| Code         | Definition                                                        |
|--------------|-------------------------------------------------------------------|
| ID           | Identification on position plan                                   |
| Name         | Common species name                                               |
| H/T          | Current tree height                                               |
| Stems        | Single or Multiple stems                                          |
| Dia          | Diameter of stem at 1.5m above ground (mm)                        |
| Canopy       | Canopy measurements N,E,S & W                                     |
| Crown Height | Height of lowest part of crown                                    |
| First Branch | Height and direction of first branch                              |
| Age          | Current age                                                       |
| Yrs          | Approximate years of life remaining                               |
| Cat          | Category of importance in line with current British Standards     |
| Obs          | Observations                                                      |
| Recs         | Recommendations                                                   |
| RPA (r)      | Root protection area (approximate area of roots Radius of circle) |
| RPA (a)      | Root protection area (approximate area of roots Area of circle)   |
| TPO/CONS     | Statutory Protection                                              |

### 2.4.4 Tree Survey Methodology

Trees, tree groups and woodlands have been considered following evaluation into one of four categories (U, A, B, C) based on tree quality as outlined in British Standard 5837 (2012) which has been followed. Categorisation of trees, following the British Standard, gives an indication as to the trees' importance in relation to the site and the local landscape and also, the overall value and quality of the existing tree stock on site. This allows for informed decisions to be made concerning which trees should be removed or retained, should development occur.

For a tree to qualify under any given category it should fall within the scope of that category's definition. In the categories A, B, C which collectively deal with trees that should be a material consideration in the development process, there are three sub-categories which are intended to reflect arboricultural, landscape and cultural values respectively. Category U trees are those which would be lost in the short-term for reasons connected with their poor physiological or structural condition. They are, for this reason, not usually considered in the planning process.

In assigning trees to the A, B or C categories the presence of any serious disease or tree related hazards are taken into account. If the disease is considered fatal and / or irremediable, or likely to require sanitation for the protection of other trees it may be categorised as U, even if they are otherwise of considerable value.

Category (A) – trees whose retention is most desirable and are of high quality and value. These trees are considered to be in such a condition as to be able to make a lasting contribution (a minimum of 40 years) and may comprise:

Trees which are particularly good examples of their species especially rare or unusual, or essential components of groups or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue);

Trees, groups or woodlands which provide a definite screening or softening effect to the locality in relation to views into or out of the site, or those of particular visual importance (e.g. avenues or other arboricultural features assessed as groups); and

Trees or groups or woodlands of significant conservation, historical, commemorative or other value (e.g. Veteran or wood-pasture trees).

Category (B) – are trees whose retention is considered desirable and are of moderate quality and value. These trees are considered to be in such a condition as to make a significant contribution (a minimum of 20 years) and may comprise:

Trees that might be included in the high category but because of their numbers or slightly impaired condition (e.g. presence of remediable defects including unsympathetic past management and minor storm damage), are downgraded in favour of the best individuals;

Trees present in numbers such that they form distinct landscape features and attract a higher collective rating than they would as individuals. Individually these trees are not essential components of formal or semi-formal arboricultural features, or trees situated mainly internally to the site and have little visual impact beyond the site; and

Trees with clearly identifiable conservation or other cultural benefits.

Category (C) – are trees that could be removed to facilitate the development and are considered to be of low quality and value. These trees are in an adequate condition to remain until new planting could be established (a minimum of ten years) or are young trees with a stem diameter below 150mm and may comprise:

Trees not qualifying in higher categories;

Trees present in groups or woodlands, but without this conferring on them significantly greater landscape value and or trees offering low or only temporary screening benefit; and

Trees with very limited conservation or other cultural benefits.

Category (U) – trees for removal are those trees in such a condition that any existing value would be lost within 10 years and which should in the current context be removed for reasons of sound arboricultural management.

Trees within this category are:

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;

Trees that are dead or are showing signs of significant, immediate or irreversible overall decline; and

Trees infected with pathogens of significance to the health and or/safety of other nearby trees or very low-quality trees suppressing adjacent trees of better quality.

Species has been recorded by common name and recorded as such in the Arboricultural Data schedule. Height has been estimated in metres and stem diameters have been measured at 1.5 metres above ground level and recorded in millimetres. Crown spreads have been measured in half metres and taken to the point of greatest spread unless the crown has presented a pronounced asymmetrical form and therefore measurements have been taken for the four cardinal points. The measurements have always been considered in the following sequence, North, East, South, and West, and therefore appear as such within the Tree Survey Schedule.

In the assessment particular consideration has been given to the following when deciding the most appropriate British Standard Category and Sub-Category allocation:

the health, vigour and condition of each tree;

the presence of any structural defects in each tree and its life expectancy;

the size and form of each tree and its suitability within the context of the proposed scheme; and

the location of each tree relative to existing site features, e.g. its value as a screen or as a skyline feature.

Age class is assessed according to the age class categories referred to in BS 5837.

Y: Young trees up to five years of age;

SM: Semi-mature, trees less than 1/3 life expectancy;

EM: Early mature, trees 1/3 – 2/3 life expectancy;

M: Mature trees over 2/3 life expectancy;

OM: Over mature – declining or moribund trees of low vigour; and

V: Veteran - Characteristics have been noted where a tree exhibits certain characteristic features of veteran trees.

Major defects or diseases and relevant observations have also been recorded under Structural Condition. The assessment for structural condition has included inspection of the following defects:

The presence of fungal fruiting bodies around the base of the tree or on the stem, as they could possibly indicate the presence of possible internal decay;

Soil cracks and any heaving of the soil around the base indicating possible root plate movement;

Any abrupt bends in branches and limbs resulting from past pruning, as it may be an indication of internal weakness and decay;

Tight or weak 'V' shaped unions and co-dominant stems;

Hazard beam formations and other such biomechanical related defects (as described by Claus Mattheck, Body Language of Trees HMSO Research for Amenity Trees No. 4 1994);

Cavities as a result of limb losses or previous pruning;

Broken branches;

Storm damage;

Canker formations;

Loose bark;

Damage to roots;

Basal, stem or branch / limb cavities;

Crown die-back;

Abnormal foliage size and colour;

Any changes to the timing of normal leaf flush and leaf fall patterns; and

Other pathological diseases affecting any part of the tree.

Major defects or diseases and relevant observations have also been recorded. Dead wood has been defined as the following:

Twigs and small branch material up to 5cm in diameter;

Minor dead wood 5cm to 10cm in diameter; and

Major dead wood 10cm in diameter and above.

The survey was completed from ground level only, aerial inspection of trees was not undertaken. Investigations as to the internal condition of a tree have not been undertaken. Further investigations of this type can be made and have been recommended where it has been considered necessary within the report although these investigations are beyond the scope of this report.

Evaluation of the trees' condition given within this assessment applies to the date of survey and cannot be assumed to remain unchanged. It may be necessary to review these within 12 months, in accordance with sound arboricultural practice.

The individual positions of trees and groups of trees recorded in the Tree Survey Schedule have been shown on the Tree Constraints Plan. The positions of trees are based on a topographical / land survey supplied by the development and client in dwg. format for the purpose of plotting the trees.

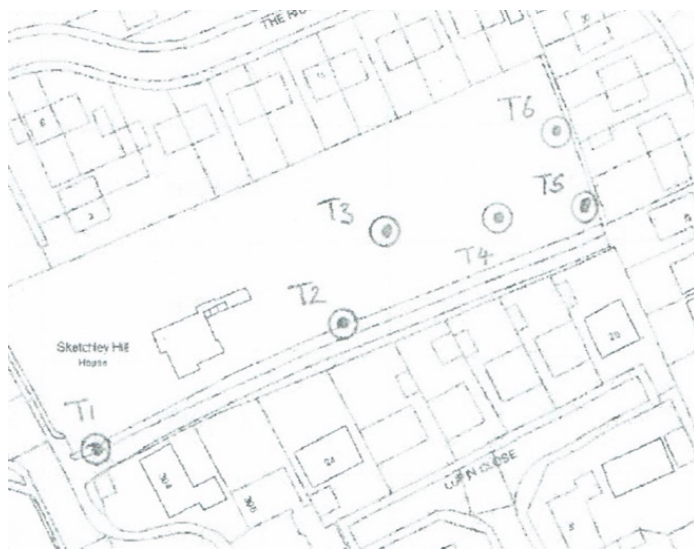
The Root Protection Areas (RPA) to be required by the individual and groups of trees are indicated by the Tree Constraints element of the above plans. The Root Protection Areas are formulated as described below.

Below ground constraints to future development is represented by the area surrounding the tree that contains sufficient rooting volume to ensure survival of the tree which needs protecting in order for the tree to be incorporated into any future scheme, without adverse harm to the tree or structural integrity of buildings. This is referred to as the RPA and is shown as a circle of a given radius.

The circle may be modified in shape to maintain a similar total area depending on the presence of surrounding obstacles. Where groups of trees have been assessed, the RPA has been shown based on the maximum sized tree in any one group and so would automatically exceed the RPA's required for many of the individual specimens within the group. An RPA is equivalent to a circle with a radius 12x the stem diameter for single stem trees and 10x the basal diameter for trees with more than one stem arising less than 1.5 meters above ground level.

## 2.5 TPO's and Conservation Areas

An investigation into the relevant legal protection of the trees through Hinckley & Bosworth Borough Council revealed that the site is outside any Conservation Area. There are Tree Preservation Orders on some trees which are shown below.



SCHEDULE 1 - Modification Schedule of The Borough of Hinckley & Bosworth Borough  
(Sketchley Hill House Rugby Road Burbage (No.2) Tree Preservation Order 2017)

### SPECIFICATION OF TREES

Trees specified individually (encircled in black on the map)

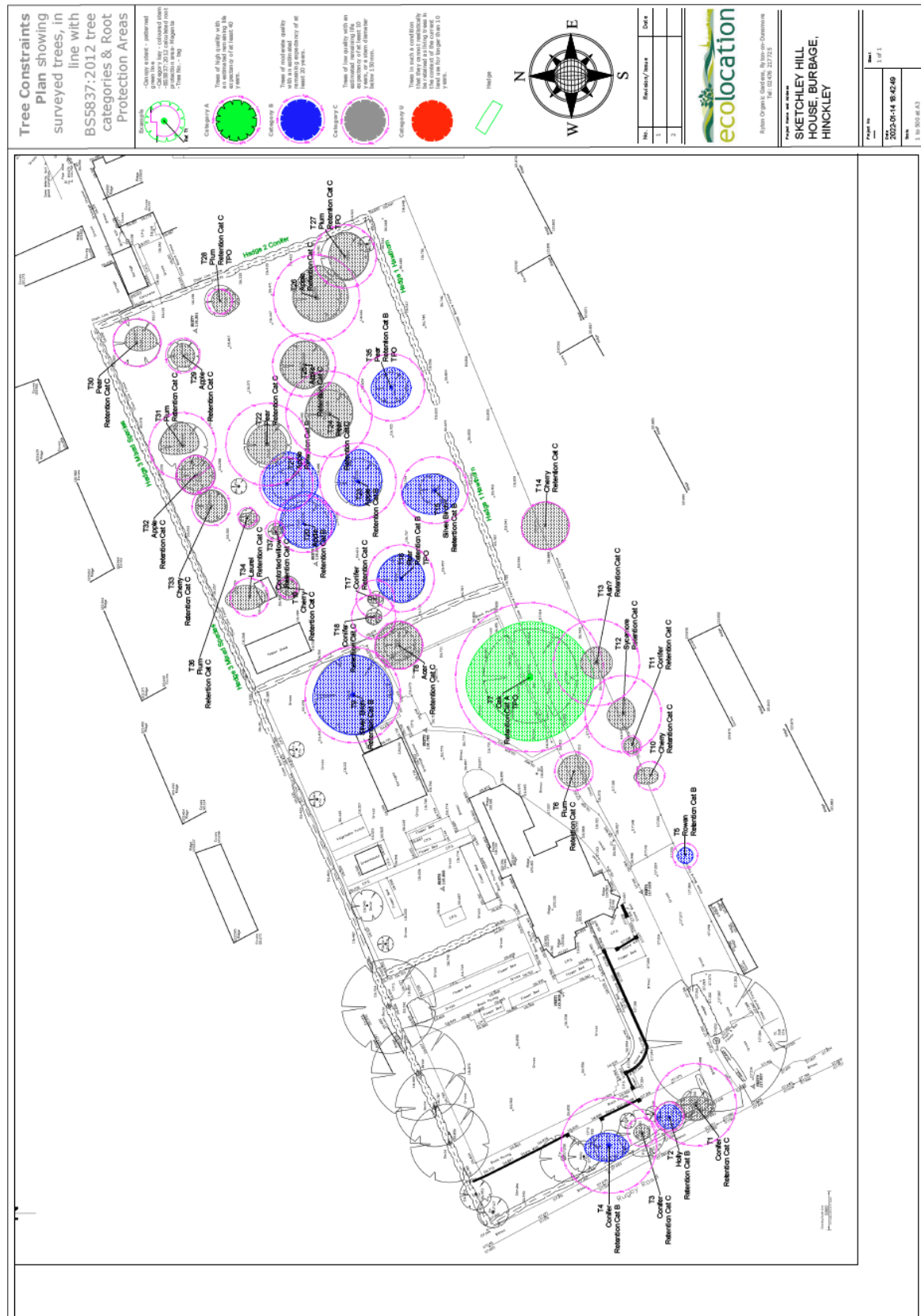
| Reference on map | Description | Situation                               |
|------------------|-------------|-----------------------------------------|
| T2               | 1 x Oak     | Sketchley Hill House Rugby Road Burbage |
| T3               | 1 x Pear    | Sketchley Hill House Rugby Road Burbage |
| T4               | 1 x Pear    | Sketchley Hill House Rugby Road Burbage |
| T5               | 1 x Apple   | Sketchley Hill House Rugby Road Burbage |
| T6               | 1 x Plum    | Sketchley Hill House Rugby Road Burbage |

NOTE: T2 ON NEIGHBORING PROPERTY

T1 AS SHOWN ON MAP OVER HAS BEEN REMOVED.

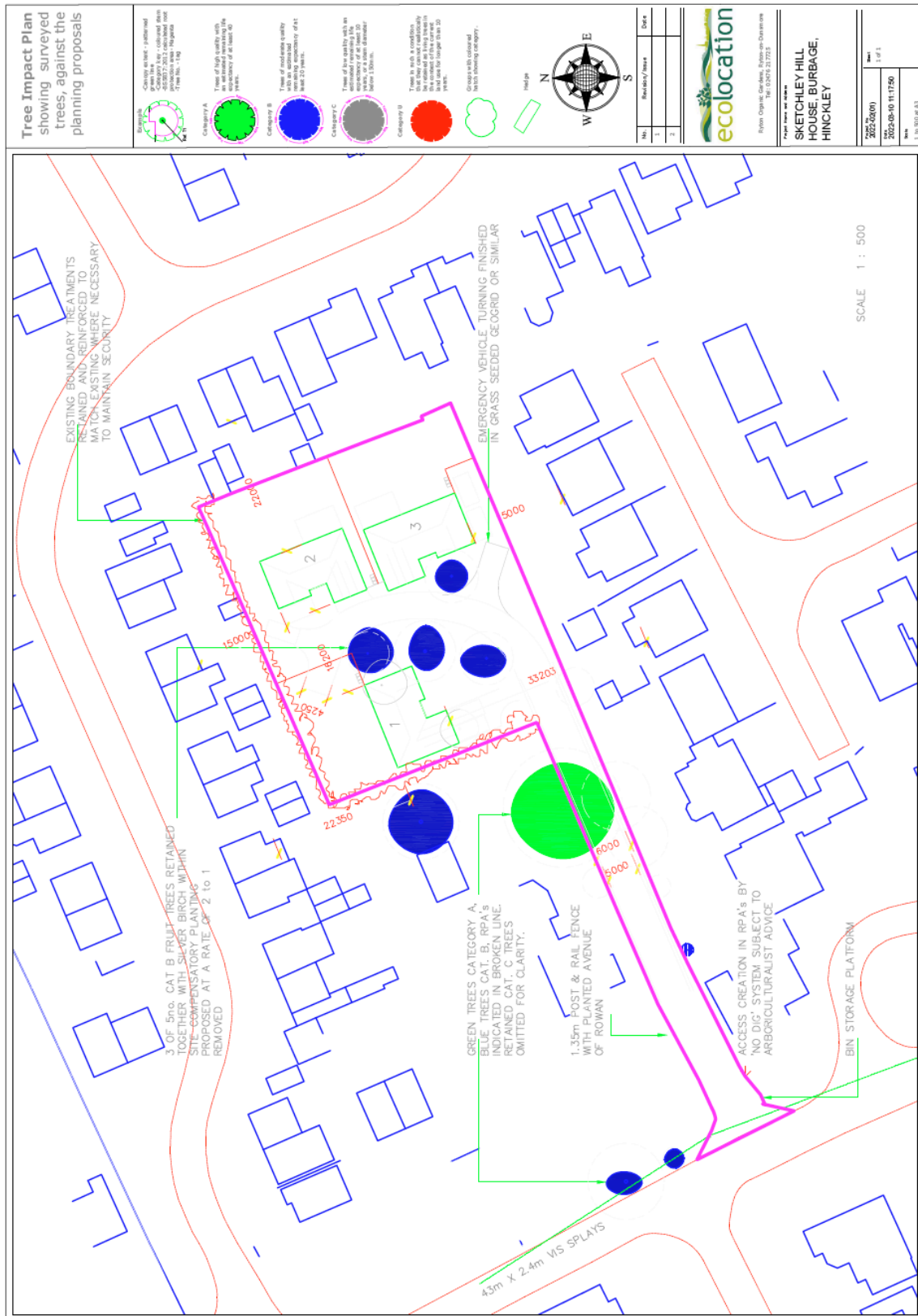
### 3 Tree Constraints Plan

PDF below, not to scale. Refer to scaled AutoCad drawing for measurements.



## 4 Tree Impact Plan

PDF below, not to scale. Refer to scaled AutoCad drawing for measurements.



## 5 Impact Assessment

### Category A Trees

T1 is in good condition and with long potential lifespan.

### Category B Trees

Trees categorized as B within the site are specimens in good condition and which offer good visual amenity and conservation value. Trees which offer good biodiversity and potential Category A trees of the future.

### Category C Trees

Trees categorized as C within the site are specimens with limited lifespan, small specimens with low visual amenity, but moreover, many specimens are showing signs of significant decline, structural weakness and decay.

### TPO Trees

With reference to the TPO schedule. The numbering is different to the numbering within this survey.

T1 Cat A, is an excellent specimen and will be retained and protected. (T2 TPO Ref)

T16 Cat B is in good condition and will be retained and protected. (T3 TPO Ref)

T24 Cat C is showing signs of decline and is scheduled for removal. (T4 TPO Ref)

T26 Cat C is showing signs of significant decline with a cavity filled with concrete and is scheduled for removal. (T5 TPO Ref)

T28 Cat C is showing signs of decline with torn out limbs and splitting. This tree is scheduled for removal. (T6 TPO Ref)

T's 24, 26 & 28 are not in good condition and do not warrant classification above a C. A review of the TPO's may be required and appropriate action taken.

TPO Ref (T1) has been previously removed and is not included within this report.

This report has been written in accordance with BS 5837. If planning permission is granted, further works would be required to detail mitigation and protection measures.

Mitigation planting is proposed at a ratio of 2:1 and would offer the opportunity to increase visual amenity, conservation and arboricultural values.

New planting could include native species such as Rowan, Field maple, Holly & Hawthorn.

Foundations are outside the RPA's

Proposed access drive and parking could be accommodated on 3D geogrid load spreading system and permeable wearing course.

Any practical work should be carried out by a competent contractor with the relevant insurance and experience. The contractor should carry out all tree works to BS 3998 *Recommendations for Tree Work* (2010) as modified by more recent research.

Reference should be made to the Wildlife and Countryside Act (1981), protection of bird and bat species, European Protected Species legislation and local planning policy.



## 6 Appendix 1: List of Common and Scientific Tree Names

|                    |                                         |                      |                                          |
|--------------------|-----------------------------------------|----------------------|------------------------------------------|
| Ash                | <i>Fraxinus excelsior</i>               | Lodgepole pine       | <i>Pinus contorta</i>                    |
| Aspen              | <i>Populus tremula</i>                  | Lombardy poplar      | <i>Populus nigra</i> var. <i>italica</i> |
| Atlas cedar        | <i>Cedrus atlantica</i>                 | London plane         | <i>Platanus x hispanica</i>              |
| Austrian pine      | <i>Pinus nigra</i>                      | Maritime pine        | <i>Pinus pinaster</i>                    |
| Bay willow         | <i>Salix pentandra</i>                  | Midland thorn        | <i>Crataegus laevigata</i>               |
| Beech              | <i>Fagus sylvatica</i>                  | Monkey puzzle        | <i>Araucaria araucana</i>                |
| Bird cherry        | <i>Prunus padus</i>                     | Monterey cypress     | <i>Cupressus macrocarpa</i>              |
| Black cottonwood   | <i>Populus trichocarpa</i>              | Monterey pine        | <i>Pinus radiata</i>                     |
| Black poplar       | <i>Populus nigra</i>                    | Norway maple         | <i>Acer platanoides</i>                  |
| Black walnut       | <i>Juglans nigra</i>                    | Norway spruce        | <i>Picea abies</i>                       |
| Box                | <i>Buxus sempervirens</i>               | Oriental plane       | <i>Platanus orientalis</i>               |
| Caucasian fir      | <i>Abies nordmanniana</i>               | Pedunculate oak      | <i>Quercus robur</i>                     |
| Cedar of Lebanon   | <i>Cedrus libani</i>                    | Red alder            | <i>Alnus rubra</i>                       |
| Coast redwood      | <i>Sequoia sempervirens</i>             | Red oak              | <i>Quercus rubra</i>                     |
| Common alder       | <i>Alnus glutinosa</i>                  | Robusta poplar       | <i>Populus x robusta</i>                 |
| Common juniper     | <i>Juniperus communis</i>               | Rowan                | <i>Sorbus aucuparia</i>                  |
| Common lime        | <i>Tilia x vulgaris</i>                 | Sallow (Goat willow) | <i>Salix caprea</i>                      |
| Common silver fir  | <i>Abies alba</i>                       | Scots pine           | <i>Pinus sylvestris</i>                  |
| Common walnut      | <i>Juglans regia</i>                    | Sessile oak          | <i>Quercus petraea</i>                   |
| Corsican pine      | <i>Pinus nigra</i>                      | Silver birch         | <i>Betula pendula</i>                    |
| Crab apple         | <i>Malus sylvestris</i>                 | Sitka spruce         | <i>Picea sitchensis</i>                  |
| Crack willow       | <i>Salix fragilis</i>                   | Small-leaved lime    | <i>Tilia cordata</i>                     |
| Cricket-bat willow | <i>Salix alba</i> , var <i>caerulea</i> | Smooth-leaved elm    | <i>Ulmus carpiniifolia</i>               |
| Douglas fir        | <i>Pseudotsuga menziesii</i>            | Southern beech       | <i>Nothofagus antarctica</i>             |
| English elm        | <i>Ulmus procera</i>                    | Swamp cypress        | <i>Taxodium distichum</i>                |
| Eucalypts          | <i>Eucalyptus</i> species               | Swedish whitebeam    | <i>Sorbus intermedia</i>                 |
| European larch     | <i>Larix decidua</i>                    | Sweet chestnut       | <i>Castanea sativa</i>                   |
| Field maple        | <i>Acer campestre</i>                   | Sycamore             | <i>Acer pseudoplatanus</i>               |
| Giant fir          | <i>Abies grandis</i>                    | Turkey oak           | <i>Quercus cerris</i>                    |
| Grey alder         | <i>Alnus glutinosa</i>                  | Wellingtonia         | <i>Sequoiadendron giganteum</i>          |
| Grey poplar        | <i>Populus x canescens</i>              | Western hemlock      | <i>Tsuga heterophylla</i>                |
| Hawthorn           | <i>Crataegus monogyna</i>               | Western red cedar    | <i>Thuja plicata</i>                     |
| Hazel              | <i>Corylus avellana</i>                 | White poplar         | <i>Populus alba</i>                      |
| Holly              | <i>Ilex aquifolium</i>                  | White willow         | <i>Salix alba</i>                        |
| Holm oak           | <i>Quercus ilex</i>                     | Whitebeam            | <i>Sorbus aria</i>                       |
| Hornbeam           | <i>Carpinus betulus</i>                 | Wild cherry (Gean)   | <i>Prunus avium</i>                      |
| Horse chestnut     | <i>Aesculus hippocastanum</i>           | Wild service tree    | <i>Sorbus torminalis</i>                 |
| Japanese larch     | <i>Larix kaempferi</i>                  | Wych elm             | <i>Ulmus glabra</i>                      |
| Large-leaved lime  | <i>Tilia platyphyllos</i>               | Yew                  | <i>Taxus baccata</i>                     |
| Lawson cypress     | <i>Chamaecyparis lawsoniana</i>         |                      |                                          |

## 7 Appendix 2: Photographs



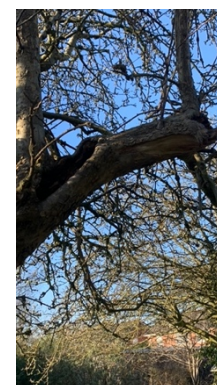
Trees to front



Neighbouring trees



T7 Cat AT15



Decay fungus, cavities, snapped out limbs and structural weakness within various trees

