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## **Arboricultural Report**

Carr House  
Back Lane  
Welton  
East Riding of Yorkshire

March 2021

## **Client Contact**

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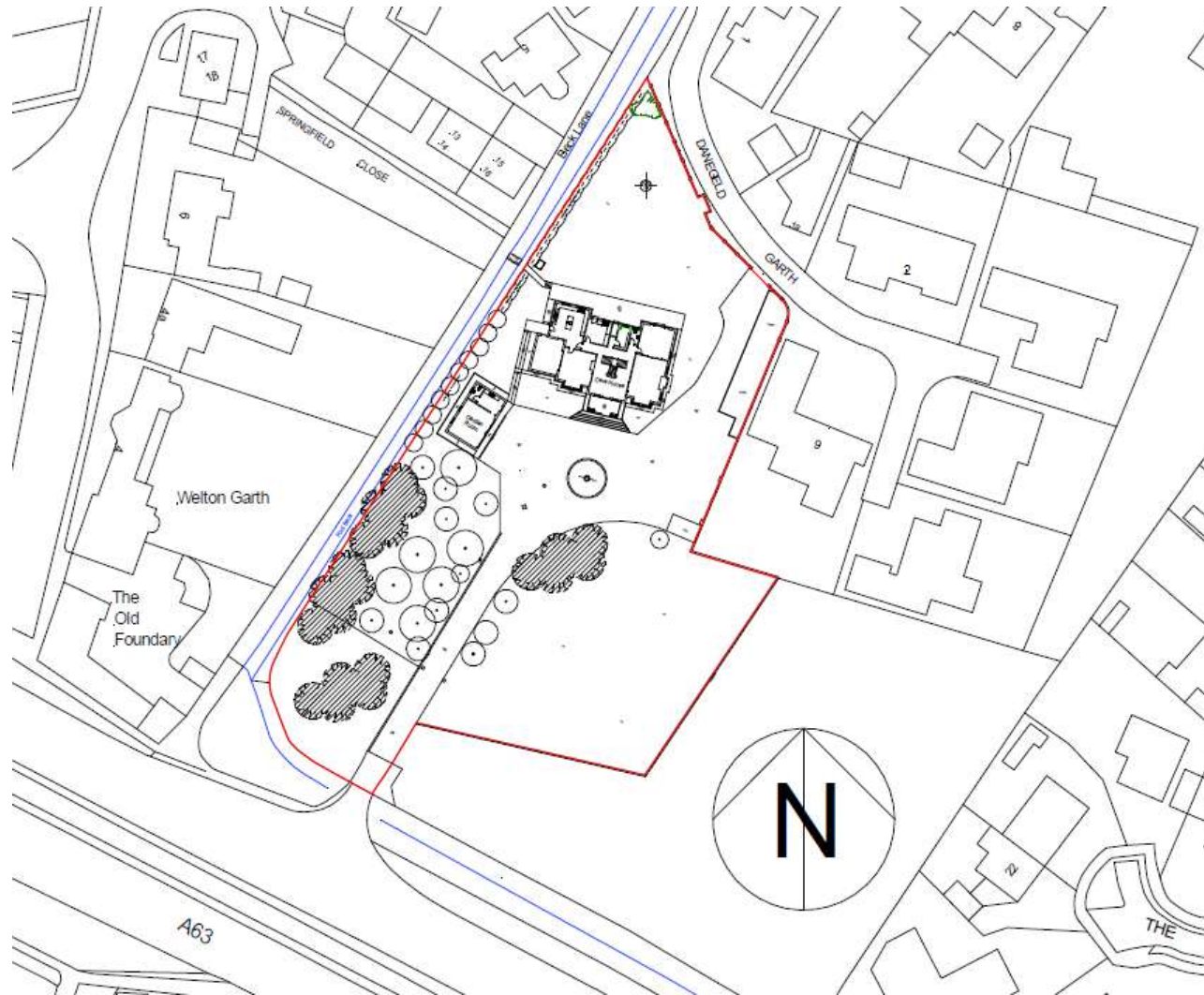
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## 1.0 INTRODUCTION

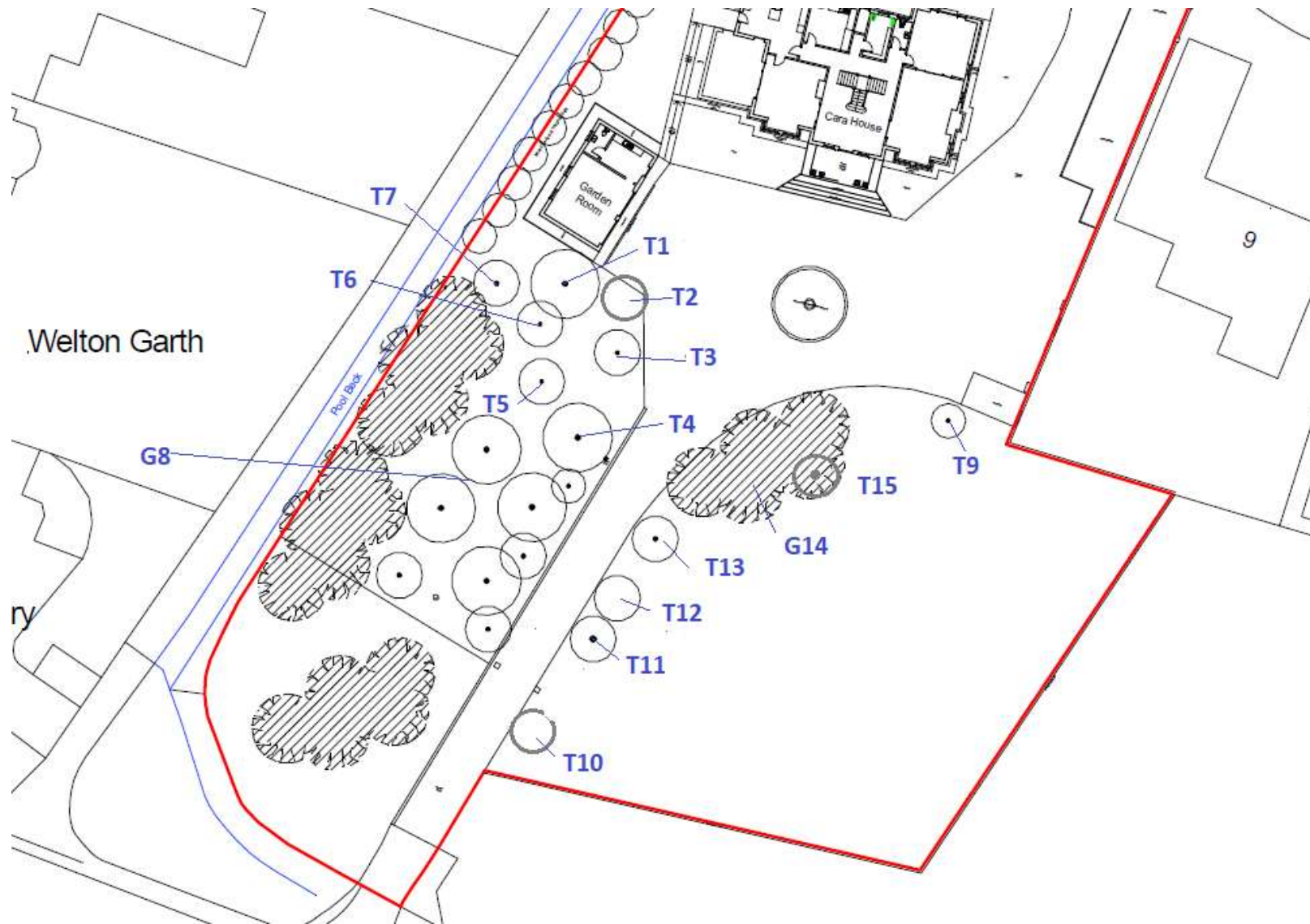
- 1.1 This report provides information in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' for a proposed development on land at Carr House, Back Lane, Welton. The development proposals are for a garage.
- 1.2 The arboricultural survey was commissioned by C A Barr and is linked to the design work undertaken by him as architect for the site. The aims of the survey were to undertake an assessment of all the existing trees within proximity of the proposed development, including trees on adjacent land.
- 1.3 The following information has been recorded in accordance with BS 5837:2012:-
- Designated tree number.
  - Tree Species – the common name has been given followed by the Latin or scientific name.
  - Height.
  - Stem or base (multi stemmed trees) diameter and root protection area.
  - Crown clearance (height of the periphery of the crown spread above ground level).
  - Branch spread (to N, S, E, and W).
  - Age class. This is given as young (Y), mature (M), and over mature (OM).
  - Physiological condition - general comments given only, poor, fair, good.
  - Tree structural condition - general comments given only, poor, fair, good.
  - Useful life expectancy.
  - Preliminary management recommendations.
  - Tree category (A, B, C or U).

## 2.0 SITE PLANS

### 2.1 Location Plan (Plan 1A)



## 2.2 Site Plan – (Plan 1B)



### 3.0 SURVEY METHODOLOGY AND SCHEDULE

- 3.1 The survey was carried out to British Standard 5837:2012, using the categories explained below:
- 3.2 The trees were assessed visually from ground level. Where potential problems were identified, further inspection by tree climbing is recommended. No digging or drilling methods were employed during this survey.
- 3.3 The trees were not given number tags.
- 3.4 The approximate height of each tree is measured from ground level to top of canopy using a clinometer.
- 3.5 The approximate diameter of each tree is measured at 1.5m above ground level. The root protection distance which has been expressed as a radius from the trunk of the tree has been given below the diameter measurement.
- 3.6 The age of each tree is based upon experience (Y= young, MA = middle aged, M= mature, OM=over mature).
- 3.7 The physiological condition of the trees is based upon experience (Good, Fair, Poor, Dead).
- 3.8 The structural condition and description is also based on experience (Good, Fair, Poor).
- 3.9 Both the approximate expected lifespan remaining and category/rating of each tree is based on the surveyor's experience.
- 3.10 The retention category of each tree or group of trees is based upon the information detailed above using the following categories:
  - A Trees of high quality and value
  - B Trees of moderate quality and value
  - C Trees of low quality and value
  - U Trees to be removed for arboricultural reasons
- 3.11 The following subcategories have been used in rating tree value
  - 1 Mainly arboricultural qualities
  - 2 Mainly landscape qualities
  - 3 Mainly cultural values, including conservation

### 3.12 Tree and Hedge Schedule

Note - The root protection areas (RPA) are listed as a radius in metres, below the stem diameter in the schedule below.

Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
T1	Norway Spruce	14m	360 4.3m	3m	2m	M	Good	Good	No action	30+	C2
T2	Cherry	4m	90 1.0m	2m	2m	Y	Good	Good	No action	30+	C2
T3	Cherry	4m	120 1.4m	2m	1m	Y	Good	Good	No action	30+	C2
T4	Norway Maple	11m	290 3.5m	6m	2m	M	Good	Good	No action	30+	C2
T5	Magnolia	3m	100e 1.2m	1m	-	Y	Good	Good	No action	30+	C2
T6	Norway maple	10m	190 2.3m	3m	2m	M	Good	Fair	No action	30+	C2

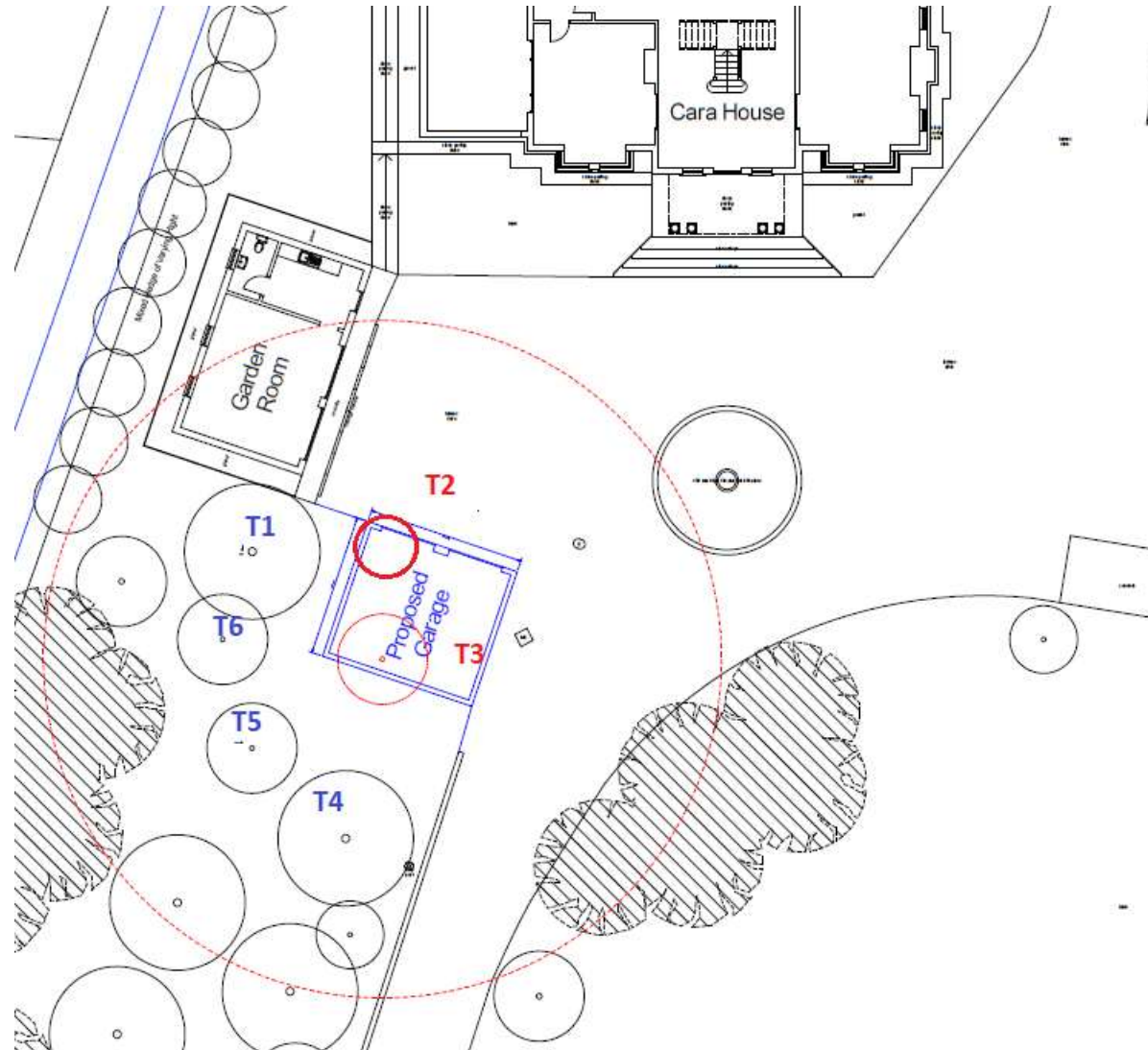
Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
T7	Sycamore	14m	190 2.3m	3m	2m	M	Good	Fair	No action	30+	C2
G8	Norway spruce Horse chestnut	16m	300e 3.6m	4m	2m	M	Good	Good	Norway spruce Horse chestnut Laburnum Silver birch Hawthorn Cherry	30+	B2
T9	Cedar	10m	300e 3.6m	3m	-	MA	Good	Good	No action	40+	C2
T10	Horse Chestnut	14m	430 5.1m	5m	2m	M	Good	Good	No action	40+	B2
T11	Horse chestnut	15m	470 5.6m	5m	2m	M	Good	Good	No action	40+	B2
T12	Yew	4m	300e 3.6m	3m	-	MA	Good	Good	No action	40+	C2
T13	Horse chestnut	8m	210 2.5m	4m	1m	MA	Good	Good	No action	40	C2



Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
G14	Sumac Bush	8m	200e 2.4m	-	-	M	Good	Good	No action	20+	C2
T15	Cedar	9m	200e 2.4m	2m	-	MA	Good	Good	No action	40+	C2

## 4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT

### Plan 2A – Proposed Layout



#### 4.1 General Comments

The proposals are for the erection of a detached garage.

#### 4.2 Tree Removal and Pruning

Two small trees are proposed to be removed - T2 and T3 which have no significant landscape value. The remaining trees would be unaffected by the proposals.



#### **4.3 Root Protection Measures**

Tree protection measures in the form of protective fencing and scaffold board ground protection are considered necessary during construction work. Details of the position of the fencing have been shown on plan 3A and details of the fencing construction in appendix A.

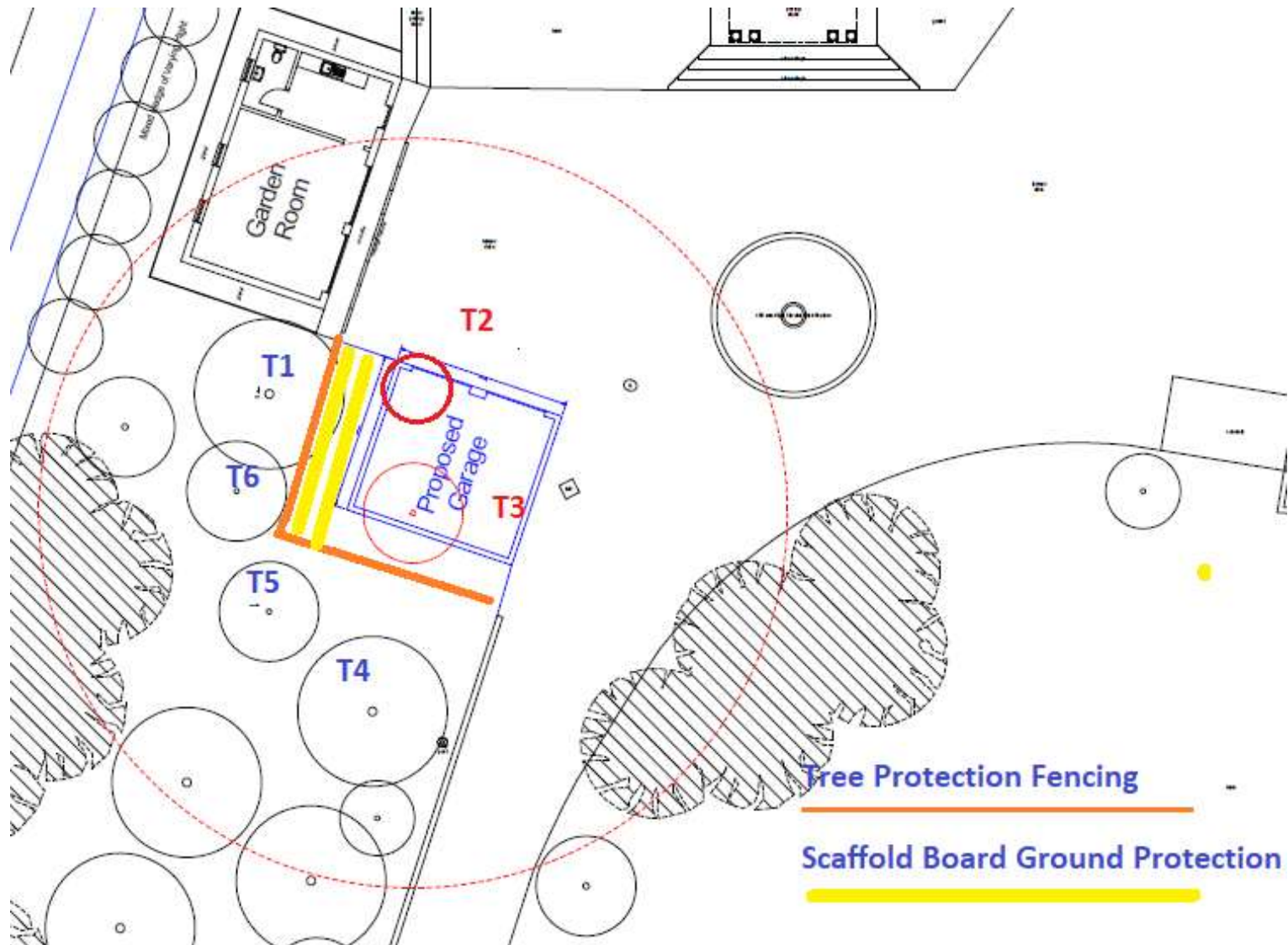
#### **4.4 Construction and Storage Space**

Adequate space exists for construction work and for the supply and storage of materials utilising the driveway and lawn area.

#### **4.5 Services**

No new services will be dug within the root protection areas of the trees. It is assumed that new services and drainage would be connected to existing supplies.

## 5.0 TREE PROTECTION MEASURES (Plan 3A)



## **6.0 ARBORICULTURAL METHOD STATEMENT (AMS)**

### **6.1 General Site Management Constraints**

- No soil stripping, compaction, excavation or removal is to take place other than for the foundations, services and drainage as proposed.

### **6.2 Local Planning Authority Meeting**

- The Local Planning Authority to be notified not less than 72 hours prior to commencement of works on site.

### **6.3 Tree Removal and Site Clearance**

- Trees T2 and T3 to be removed.

### **6.4 Erection of Tree Protection Fencing and Scaffold Board Ground Protection**

- Tree Protection Fencing and scaffold Board Ground Protection to be erected as indicated on the Tree Protection Plan (plan 3A) and as detailed in Appendix A.

### **6.5 Construction Work**

- Once the tree protection measures are in place then construction work can commence.
- Services for the development are to be located as indicated on the plans with the service runs agreed with the architect and service providers before any excavation work commences. No services to be located within the root protection areas of the trees.
- No site materials to be stored within the fenced tree protection areas.

### **6.6 Completion of work.**

- On completion of the construction work the tree protective can be removed.
- Ground preparation may be required and could include light cultivation of the surface of the soil to enable seeding or turfing. Such light cultivation would not exceed 5cm and therefore have no impact on the existing trees.



## 7.0 Appendix A – Tree Protection Details

Extract from BS5837

