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## **Arboricultural Report (ver 2)**

Manor Farm  
North Back Lane  
Kilham  
East Riding of Yorkshire

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### **Client Contact**

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## 1.0 INTRODUCTION

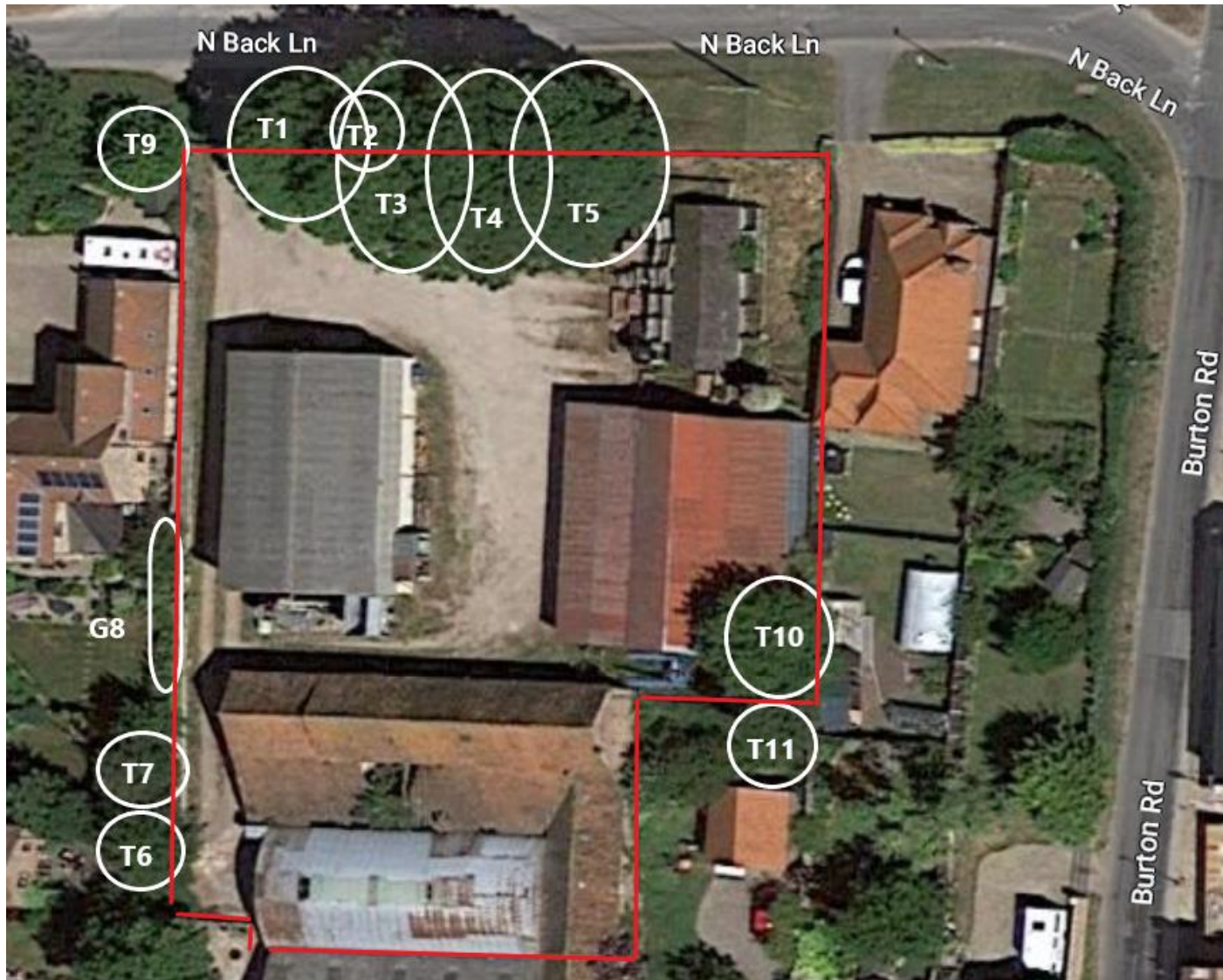
- 1.1 This report provides information in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' for a proposed development at Manor Farm, North Back Farm, Kilham, East Riding of Yorkshire. The development proposals are for 6 residential properties.
- 1.2 The arboricultural survey was commissioned by Kevin Hardcastle 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 – Tree Locations – (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.

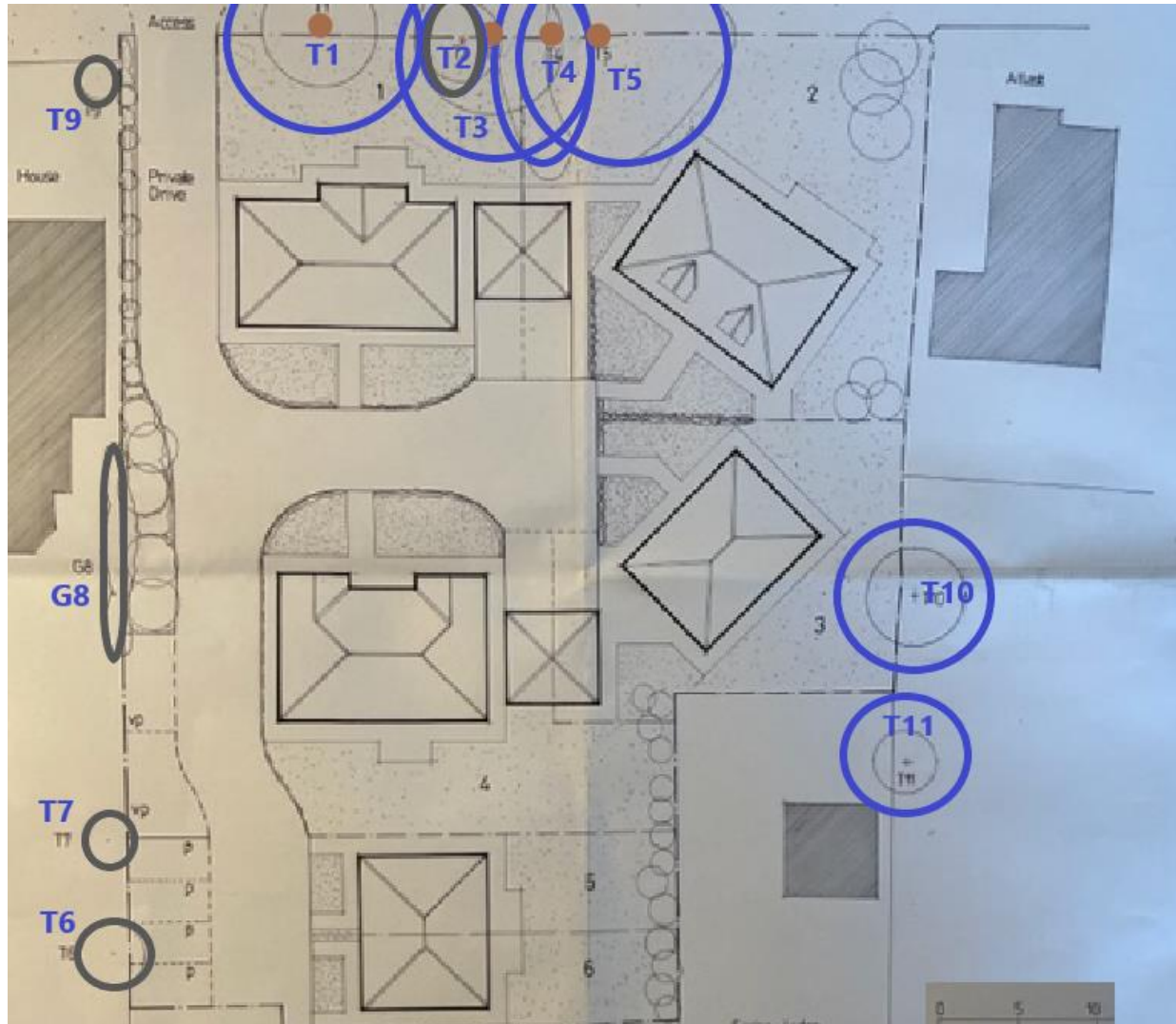
Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Glass	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
T1	Sycamore	16m	690 8.3m	7m	3m	M	Good	Good	No action	40+	B2
T2	Ash	6m	300e 3.6m	5m	3m	M	Poor	Poor	No action	-	C2
T3	Ash	25m	660 7.9m	9m	5m	M	Good	Good	No action	40+	B2
T4	Ash	25m	640 7.7m	N 5 S 9 E 3 W 3	4m	M	Good	Good	No action	40+	B2
T5	Sycamore	25m	710 8.5m	N 8 S 8 E 9 W 3	4m	M	Good	Good	No action	40+	B2
T6	Lime	12m	300e 3.6m	4m	4m	MA	Good	Good	No action Tree on adjacent land	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
T7	Birch	12m	300e 3.6m	3m	4m	MA	Good	Good	No action  Tree on adjacent land	40+	C2
G8	Mixed Shrubs / small trees	4m	100e 1.2m	2m	-	MA	Good	Good	No action	20+	C2
T9	Field Maple	7m	200e 2.4m	2mm	3m	MA	Good	Good	No action	40+	C2
T10	Ash	20m	600e 7.2m	6m	4m	M	Good	Good	No action	-	B2
T11	Ash	12m	400e 4.8m	4m	6m	M	Good	Good	No action	-	C2

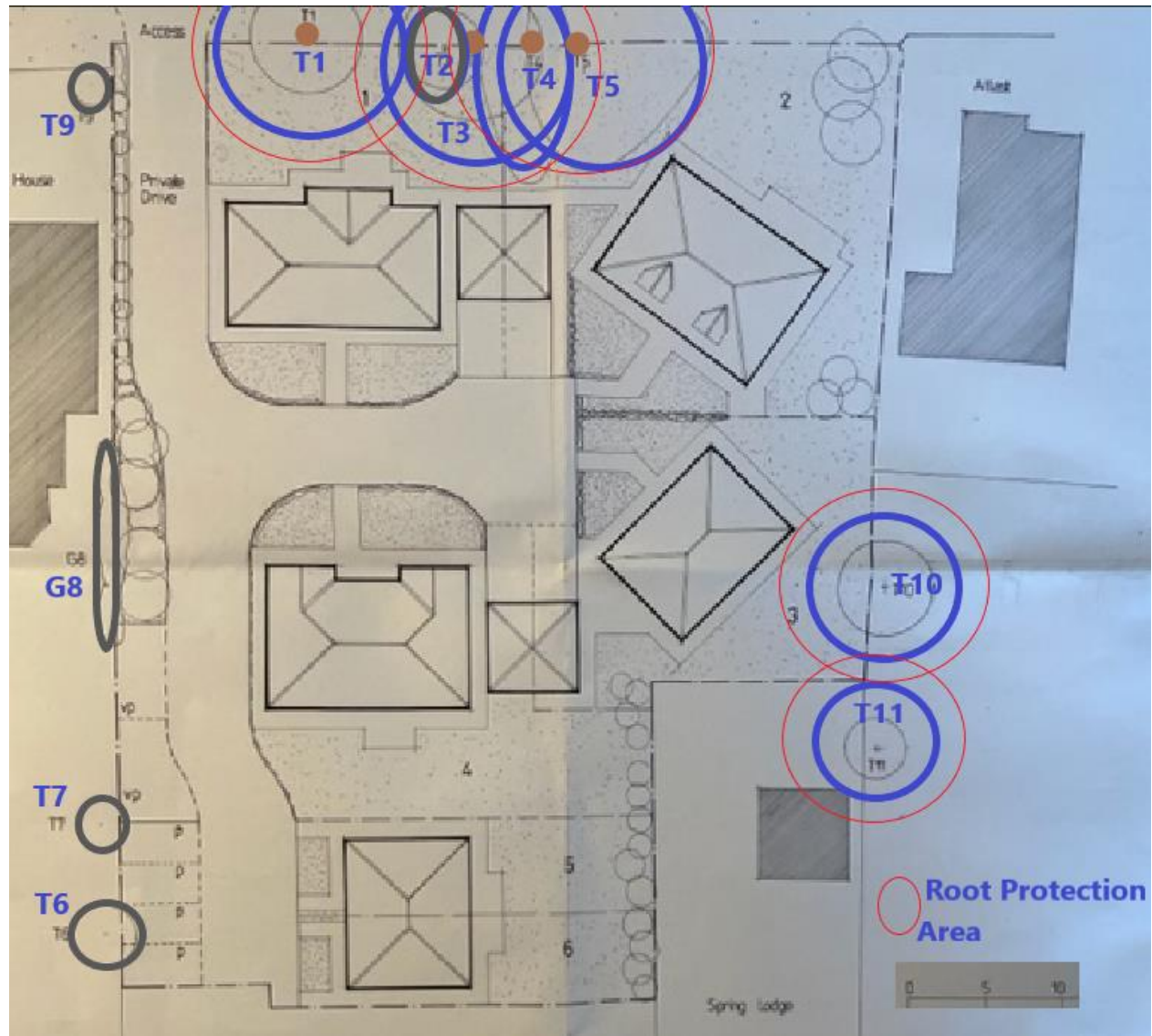


## 4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT

### 4.1 Proposed Layout Plan 2A



## 4.2 Constraints Plan 2B



#### 4.1 General Comments

The main trees (T1, T2, T3, T4, T5) on the site are located on the northern boundary of the site adjacent to North Back Lane, as illustrated in the photograph below. These trees are proposed to be retained and proposed buildings have been located outside the crown spreads and root protection area of the trees.





## 4.2 Future Relationship with Trees

The main existing trees (T1 to T5) are located to the north of the proposed properties so would not be impacted by shade from the trees. All the properties have open southerly aspects. Tree T10 may require some pruning work over plot 3. At the moment due to the existing barn, it is difficult to clear assess the relationship with the tree. However, the roof heights of the proposed new residential properties would be lower or a similar height to the existing barn and the base of the crown is already high.



### **4.3 Root Protection Measures**

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

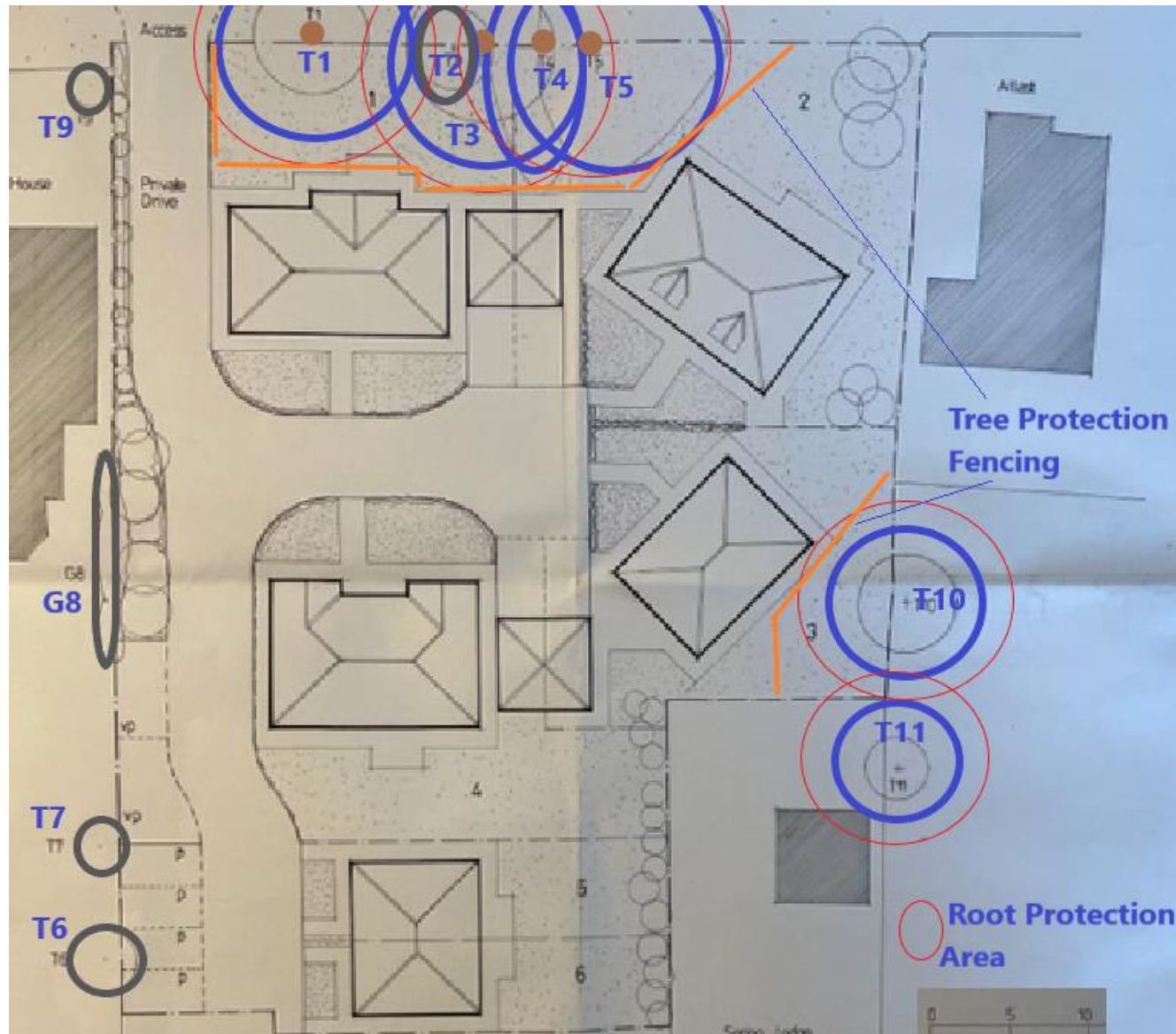
### **4.4 Construction and Storage Space**

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

- No trees to be removed

### 6.4 Erection of Tree Protection Fencing

Tree Protection Fencing and to be erected as indicated on the Tree Protection Plan (plan 3A) and as detailed in Appendix A. Notices to be erected on the fencing at 5m intervals stating 'Tree Protection Fencing - Do not remove'. The same fencing is required for both demolition and construction work.

### 6.5 Demolition Works

Once the Tree Protection Fencing has been erected the demolition works can be undertaken, care would be required to remove the roof adjacent to tree T10.

### 6.6 Construction Work

- Once the demolition works have been completed construction works can commence.
- Service runs to be 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.

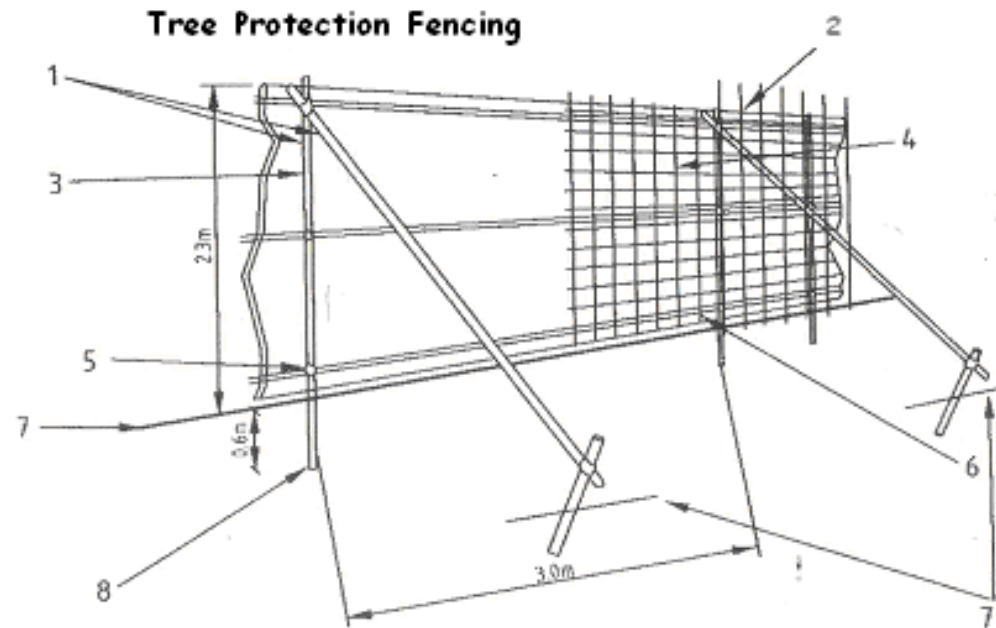
### 6.7 Completion of work.

- On completion of the construction work the tree protective can be removed.



## 7.0 Appendix A – Tree Protection Details

Extract from BS5837



- 1) Standard Scaffold Poles
- 2) Uprights to be driven into the ground
- 3) Panels secured to uprights with wire ties
- 4) Weldmesh
- 5) Standard clamps
- 6) Wire twisted and secured on inside of fence
- 7) Ground level
- 8) Approx 0.6m into the ground

