

**Mark S Feather** BSc M Arb (RFS) Tech Arbor A MICFor

Arboricultural, Woodland and Landscape Consultant

10 Grosvenor Place, Beverley, East Yorkshire HU17 8LY (01482 871064)

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**Arboricultural Report** (Ver 2)

**23/01698/PLF**

Land East of 3 Canalside West

Newport

East Riding of Yorkshire

HU15 2RN

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**Client Contact**

Ettridge Architecture Ltd

52 – 54 Prestongate

Hessle

East Riding of Yorkshire

HU13 0RE

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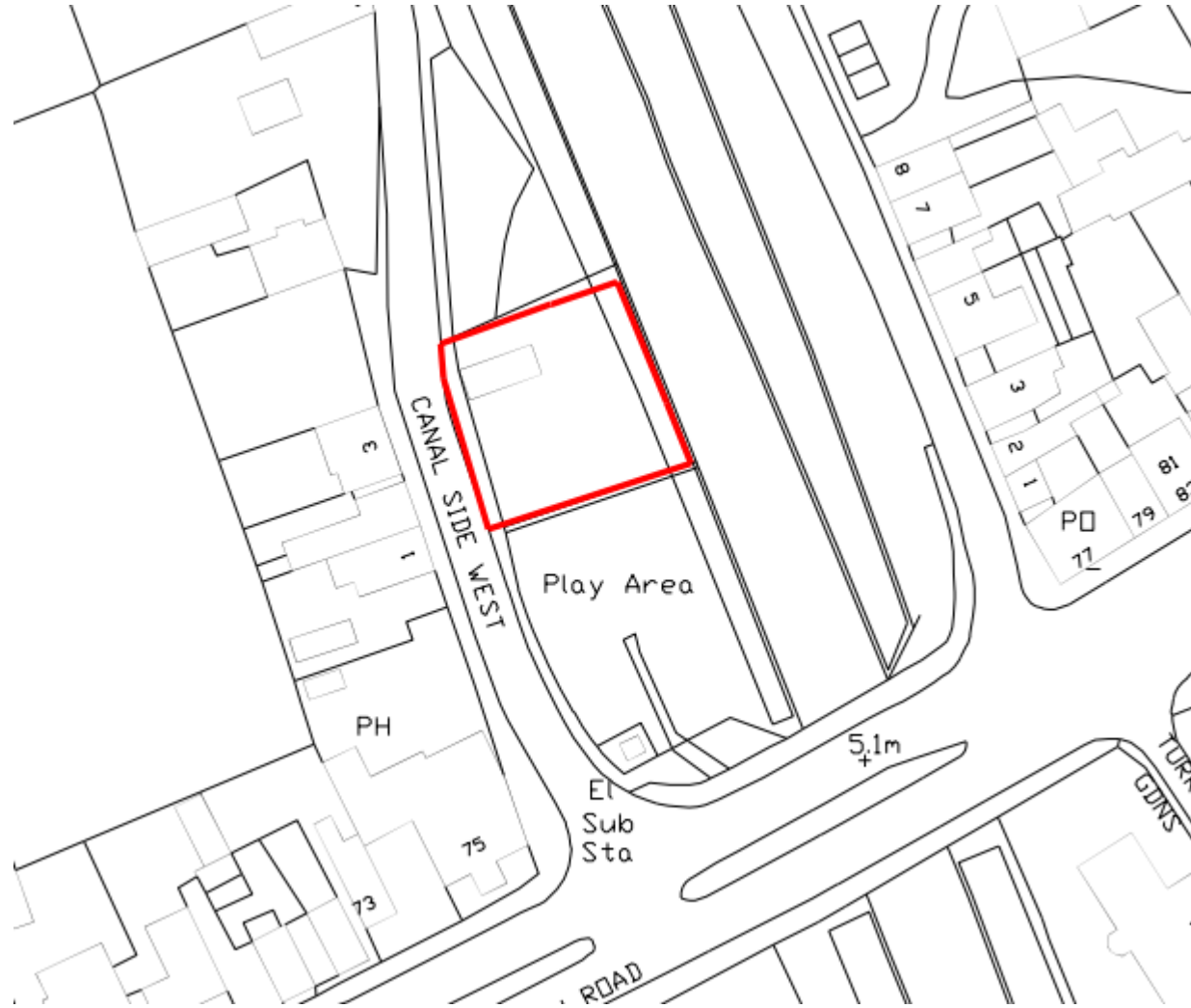
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## 1.0 INTRODUCTION

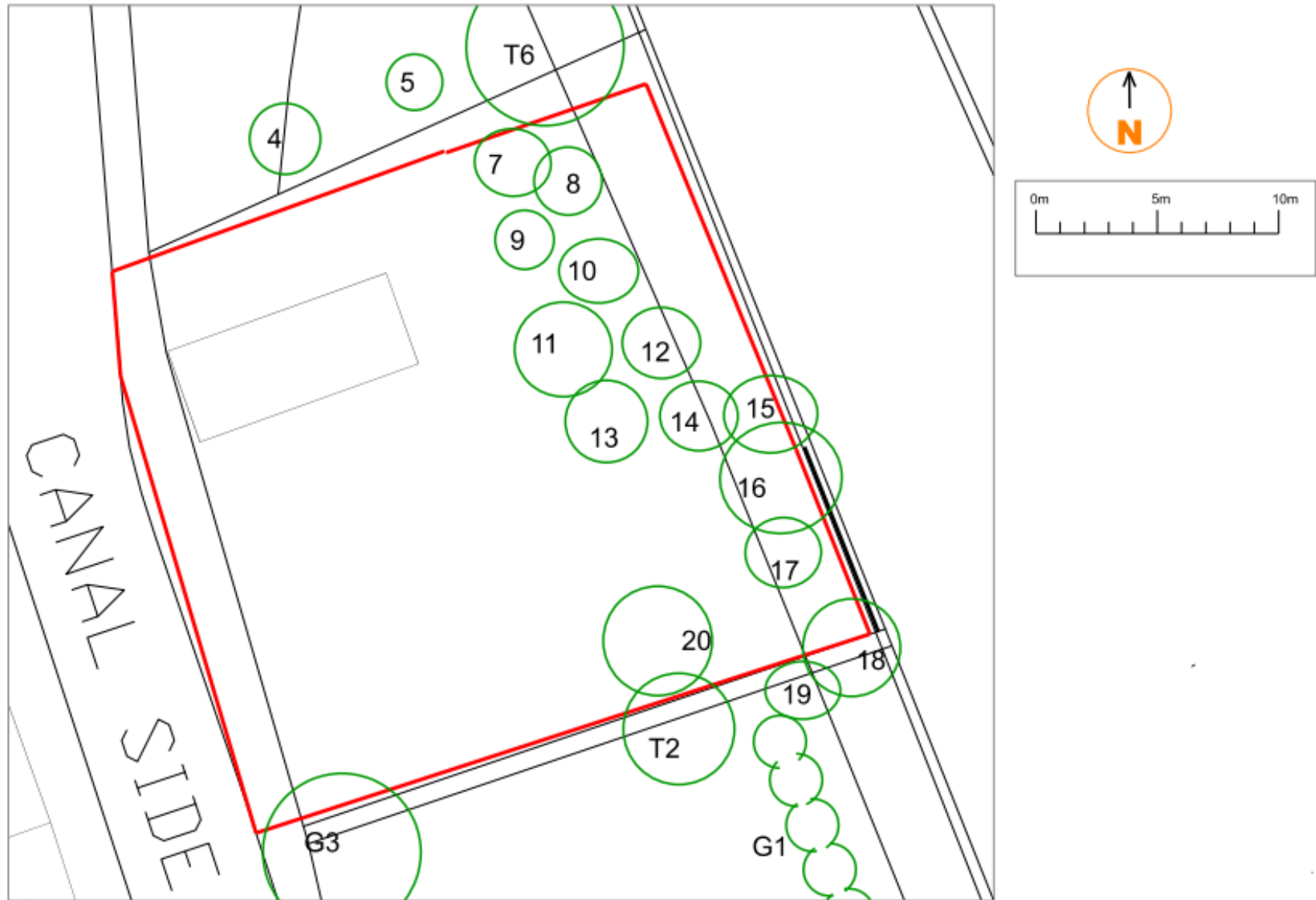
- 1.1 This report provides information in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' for a proposed development on land to the east of 3 Canalside West, Newport, East Riding of Yorkshire. The development proposals are for the erection of residential properties.
- 1.2 The arboricultural survey was commissioned by Ettridge Architecture Ltd and is linked to the design work undertaken by them as architects 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
G1	Leyland cypresses	12m	300e 3.6m	2m	-	M	Good	Good	No action  Trees on adjacent land	40+	C2
T2	Sycamore	16m	310 3.7m	3m	2m	M	Good	Good	No action  Trees on adjacent land	40+	C2
G3	Sycamore	7m	300e 3.6m	2m	2m	MA	Good	Good	No action  Multi stemmed tree and single stemmed tree.	40+	C2
T4	Cherry	9m	220 2.6m	2m	2m	M	Fair	Fair	No action	20+	C2
T5	Rowan	5m	210 2.5m	2m	2m	M	Fair	Fair	No action	20+	C2
T6	Field maple  Coppice stem	20m	800e 9.6m	8m	2m	M	Good	Good	No action	40+	B2

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	Alder	15m	250 3.0m	3m	2m	M	Good	Good	No action	40+	C2
T8	Alder	15m	200 2.4m	3m	2m	M	Good	Good	No action	40+	C2
T9	Alder	17m	280 3.3m	3m	2m	M	Good	Good	No action	40+	C2
T10	Alder	17m	260 3.1m	3m	2m	M	Good	Good	No action	40+	C2
T11	Silver Birch	17m	270 3.2m	3m	2m	M	Good	Good	No action	40+	C2
T12	Alder	12m	190 2.3m	3m	2m	M	Good	Good	No action	40+	C2
T13	Alder	17m	210 2.5m	3m	2m	M	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
T14	Silver Birch	17m	260 3.1m	3m	2m	M	Good	Good	No action	40+	C2
T15	Silver Birch	17m	410 4.9m	3m	2m	M	Good	Good	No action	40+	C2
T16	Sycamore	20m	460 5.5m	3m	2m	M	Good	Good	No action	40+	C2
T17	Silver Birch	20m	240 2.9m	3m	2m	M	Good	Good	No action	40+	C2
T18	Silver Birch	20mQ	270 3.2m	3m	2m	M	Good	Good	No action	40+	C2
T19	Sycamore	10m	170 2.0m	3m	2m	M	Good	Good	No action	40+	C2
T20	Apple	9m	370 4.4m	5m	1m	M	Good	Good	No action	40+	C2

## 4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT

### 4.1 Proposed Layout Plan 2A



#### 4.1 General Comments

The proposals are for the erection of our fishing holiday cottages. At the rear of the site is a group of 16 trees of which 5 would be removed to create space for construction work and clearance to the buildings. This would still retain a backcloth of trees to the site and a well treed frontage to the dyke. To the south of the site is a play area with trees (G1, T2, G3) and to the north an amenity area, also containing trees T4, T5 and T6.. The trees on these areas would be retained and help soften the appearance of the buildings.





The boundary on the eastern side of the site is the dyke which would be retained with a well treed frontage. Some pruning to the lower limbs would no doubt be required to provide clearance for fishing.



#### **4.2 Tree Removal and Pruning**

Trees T7, T9, T11, T13 and T20 to be removed. All trees on the eastern boundary to be crown lifted to 4m.

#### **4.3 Future Relationship with Trees**

Some shading would occur during the morning from the trees to the properties but they are for holiday accommodation and the location amongst trees would no doubt be desirable.

#### **4.4 Root Protection Measures**

Tree protection measures in the form of protective fencing and scaffold board ground protection is considered necessary during construction work. Details are shown in appendix A. The existing boundary fencing to be retained on the northern and southern boundary.

#### **4.5 Construction and Storage Space**

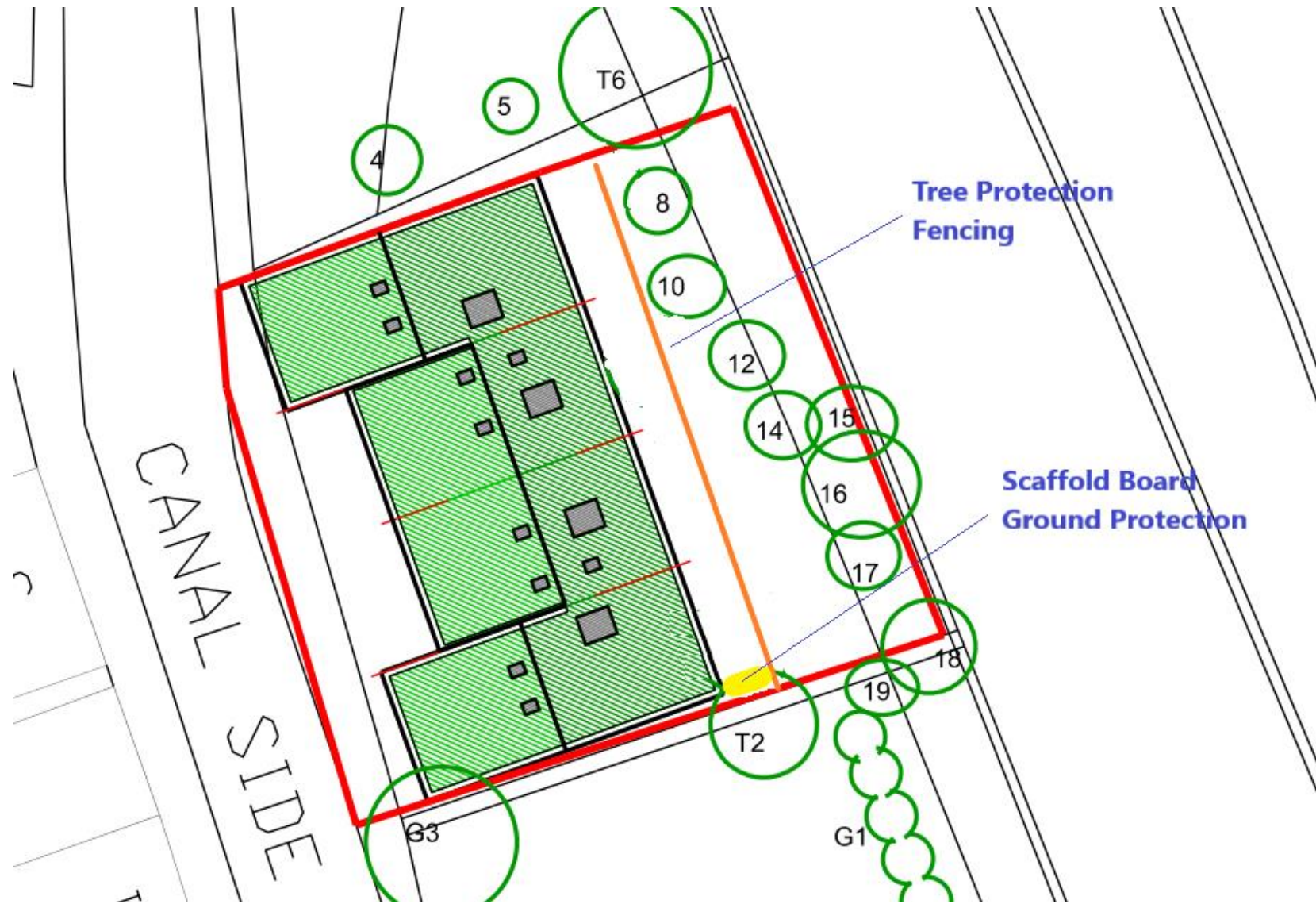
Limited space is available for construction and storage of equipment and materials. These factors will need to be taken into account when planning the construction work.

#### **4.6 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 direct to the highway.



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 T7, T9, T11, T13 and T20 to be removed.

### **6.4 Erection of Tree Protection Fencing**

- The proposed 1.8m boundary timber fencing to be erected prior to any construction work. This fencing is to act as the tree protection fencing and must not be removed during the construction work.
- Tree Protection Fencing to be erected as shown on plan 3A to protected trees along the eastern side of the site.

### **6.5 Construction Work**

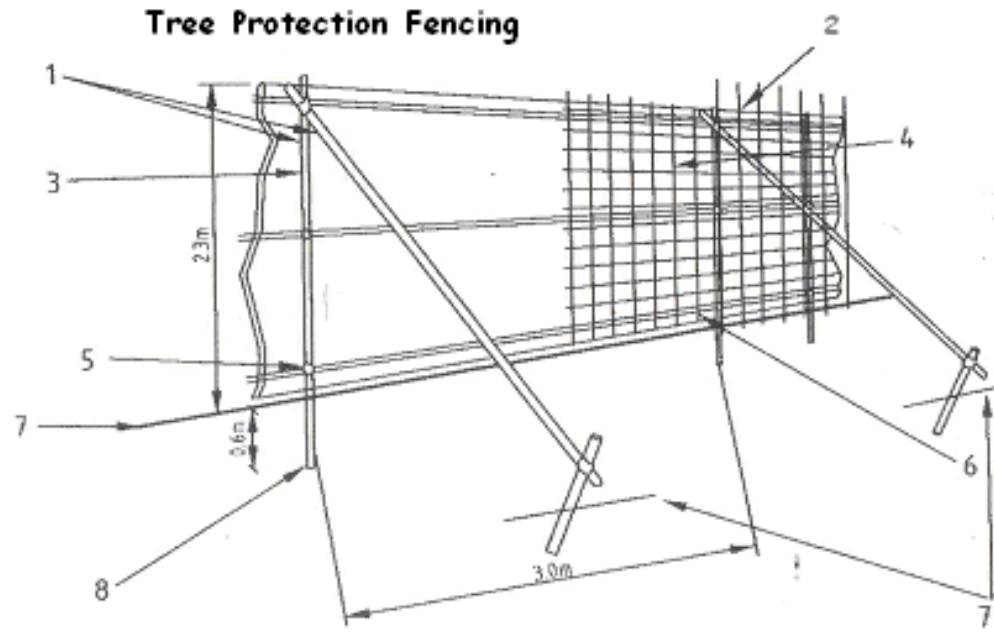
- Once the Tree Protection Fencing has been erected then construction work can commence.
- Services for the development are to be located as indicated on the plans with the service runs agreed with the architect and service providers before any excavation work commences. No services to be located within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

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

- 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



- 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

