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Arboricultural Report (ver 6)

Elmsall House

Ellerker

East Riding of Yorkshire

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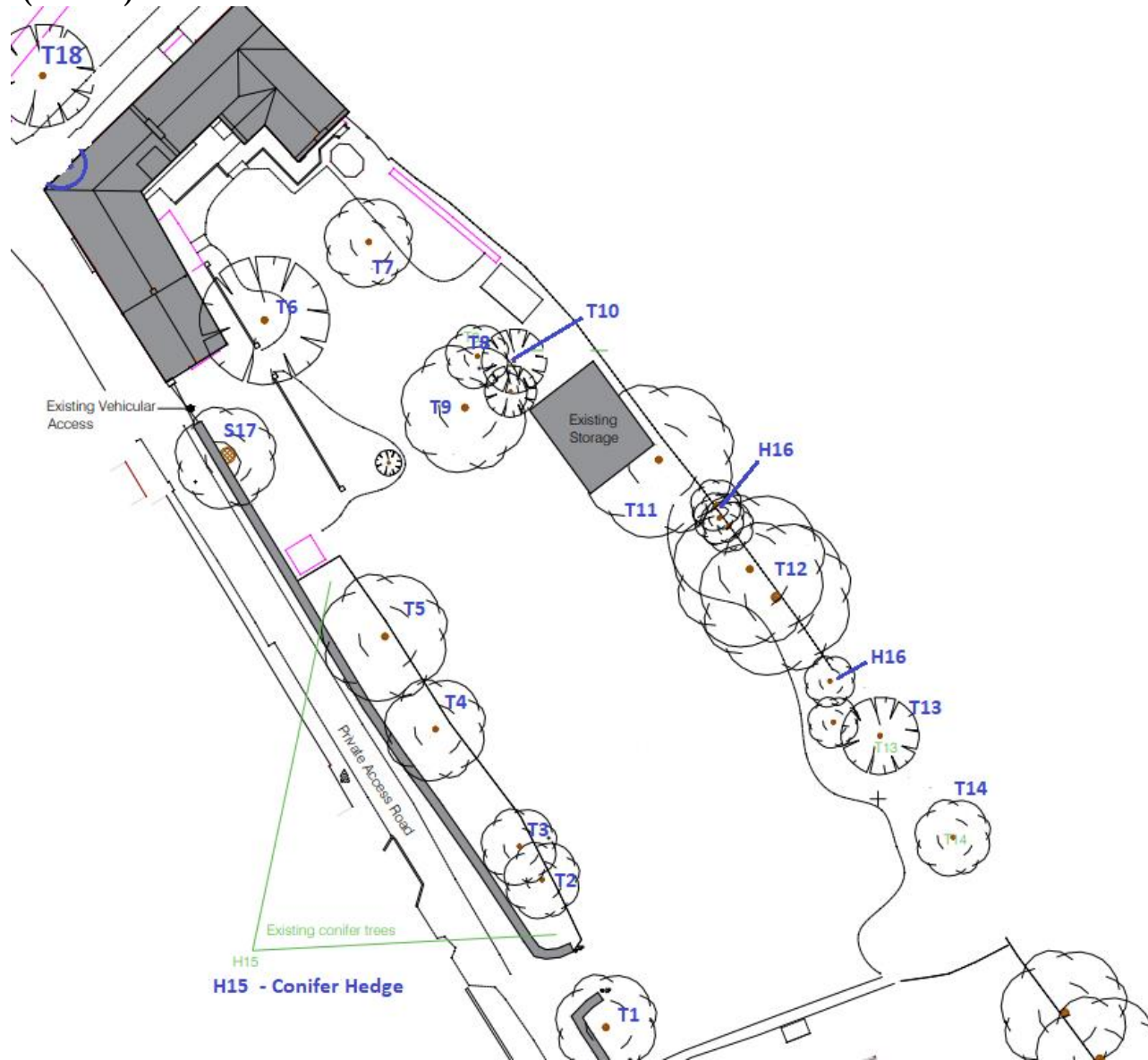
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1.0 INTRODUCTION

- 1.1 This report provides information in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction' for proposed development on land at Elmsall House, Ellerker, East Riding of Yorkshire. The development proposals are for the erection of a workshop and garage.
- 1.2 The arboricultural survey was commissioned by NU Architects who are architects for the site. The aims of the survey are to undertake an assessment of all the existing trees within the proximity of the proposed development including trees on and adjacent to the site.
- 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)
 - The Tree Survey to be undertaken according to BS5837:2012 Trees in Relation to Design, Demolition and Construction – Recommendations. The information collected to be presented in a schedule.

2.0 SITE PLAN – (Plan 1A)



3.0 SURVEY METHODOLOGY

- 3.1 The survey was carried out to British Standard 5837:2012, using the categories explained below:
 - 3.1.1 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.
 - 3.1.2 The trees were not given number tags.
 - 3.1.3 The approximate height of each tree is measured from ground level to top of canopy using a clinometer.
 - 3.1.4 The approximate diameter of each tree is measured at 1.5m above ground level using a diameter tape measure.
 - 3.1.5 The age of each tree is based upon experience. (Y = young, MA = middle aged, M = mature, OM = over mature).
 - 3.1.6 The physiological condition of the trees is based upon experience. (Good, Fair, Poor, Dead).
 - 3.1.7 The structural condition and description is also based on experience. (Good, Fair, Poor).
 - 3.1.8 Both the approximate expected lifespan remaining and category/rating of each tree is based on the surveyor's experience.
 - 3.1.9 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
 - 3.1.10 The following subcategories have been used in rating tree value:
 - 1 Mainly arboricultural value
 - 2 Mainly landscape value
 - 3 Mainly cultural values, including conservation

Schedule of Trees

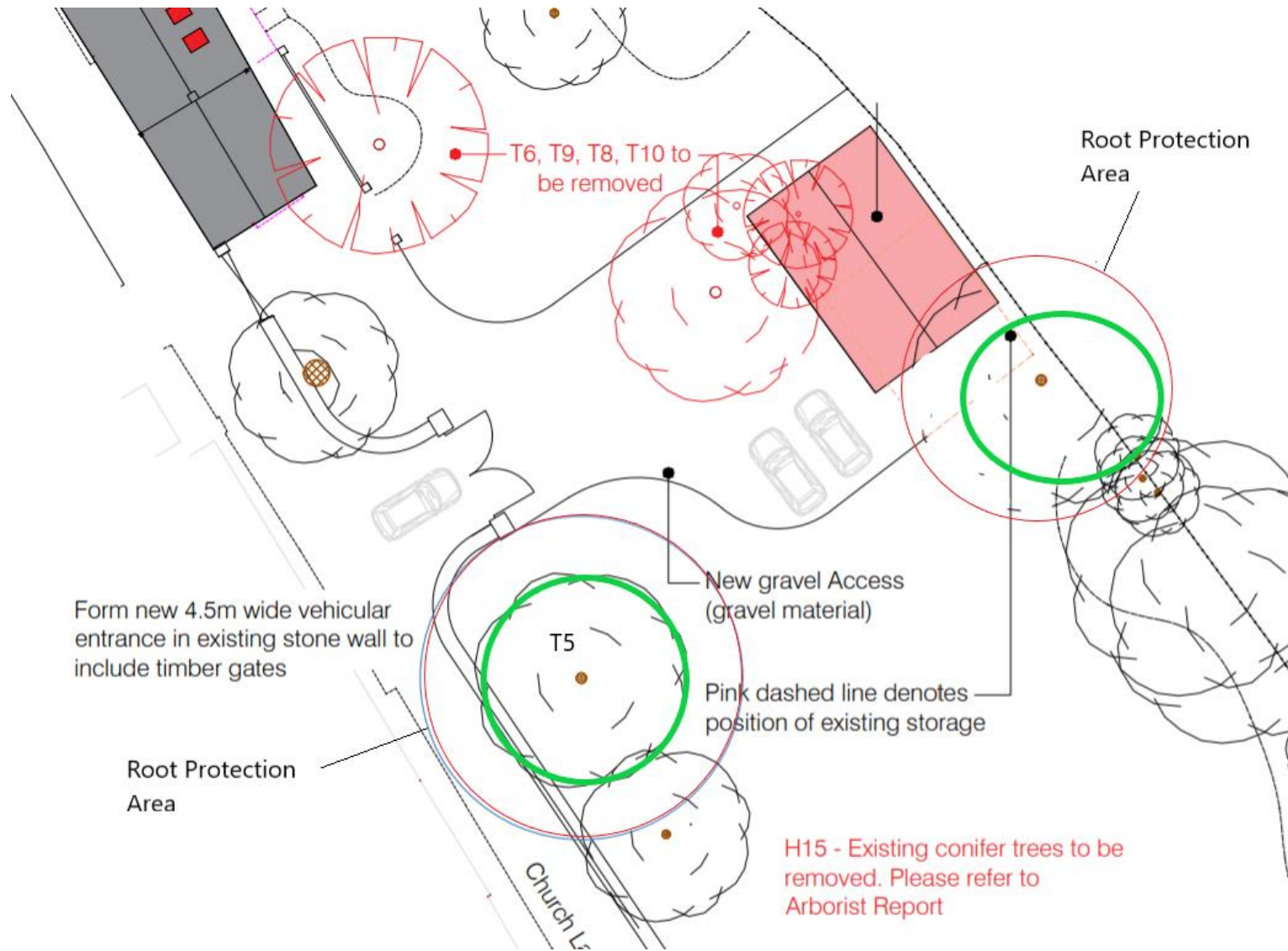
Note - Root Protection Area (RPA) shown as a radius below the stem dia.

Tree no	Species	Height	Stem Dia RPA	Branch Spread	Crown Height	Age Class	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Useful life Expectancy	Category Grading
T1	Hawthorn	7m	400e 4.8m	3m	1m	M	Good	Good	No action	30+	C2
T2	Alder	15m	310 3.7m	3m	3m	M	Good	Good	No action	30+	C2
T3	Silver birch	20m	350 4.2m	3m	5m	M	Good	Good	No action	30+	B2
T4	Norway Maple	17m	410 4.9m	3m	4m	M	Fair	Fair	No action Crown dieback - might improve following removal of cypress hedging.	20+	C2
T5	Silver birch	20m	620 7.4m	5m	2m	M	Good	Good	No action	30+	B2
T6	Cedar	12m	470 5.6m	4m	2m	M	Good	Good	Remove – To improve views down the garden	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	Magnolia	8m	300e 3.6m	4m	2m	M	Good	Good	No action	30+	B2
T8	Laburnum	7m	250 3.0m	3m	2m	M	Good	Good	Remove – for garage and workshop	30+	C2
T9	Cherry	10m	560 6.7m	5m	2m	M	Good	Good	Remove – for garage and workshop	30+	B2
T10	Holly	7m	200e 2.4m	2m	-	MA	Good	Good	Remove – for garage and workshop	30+	C2
T11	Sycamore	18m	640 7.7m	6m	4m	M	Good	Good	No action	30+	B2
T12	Ash (Twin stem)	20m	1000e 12m	5m	4m	M	Good	Good	No action	-	B2
T13	Holly	15m	300e 3.6m	4m	-	M	Good	Good	No action	30+	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
T14	Hawthorn	7m	300e 3.6m	3m	-	M	Fair	Fair	No action	30+	C2
H15	Hedgerow Leyland Cypress	12m	300e 3.6m	2m	-	M	Good	Good	Remove	30+	C2
H16	Hedgerow Hawthorn	4m to 6m	300e 3.6m	2m	-	M	Fair	Fair	No action	30+	C2
S17	Shrub	4m	100 1.2m	2m	-	M	Good	Good	No action	30+	C2
T19	Blue Atlas Cedar	17m	400e 4.8m	6m	2m	M	Good	Good	Crown lift to 3m, clear wires and remove minor deadwood.	40+	B2

4.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT - Proposed Layout – Plan 2A



4.1 General Comments

Western Boundary

The proposal seeks to remove the overgrown Leyland cypress hedge (H15) illustrated in the photograph below. All the trees along the frontage of the plot will be retained.



Eastern Boundary

The proposal seeks to retain all the trees along the eastern boundary. The cedar tree (T6) is proposed to be removed to improve the main views down the garden from the rear of the property. Trees T8, T9 and T10 to be removed for the proposed workshop and garage.



4.2 Root Protection Areas

The root protection areas have been indicated within the tree schedule.

The proposed garage / workshop would extend just within the root protection area for the sycamore tree (T11). However, given the age, species and the very small percentage of encroachment this would not have any significant impact on the tree. The building is also going to be further away from the tree than the existing garage.

It is recommended that tree protection fencing and scaffold board ground protection is undertaken during the construction works. Details are shown on the Tree Protection plan 3A and within appendix A.

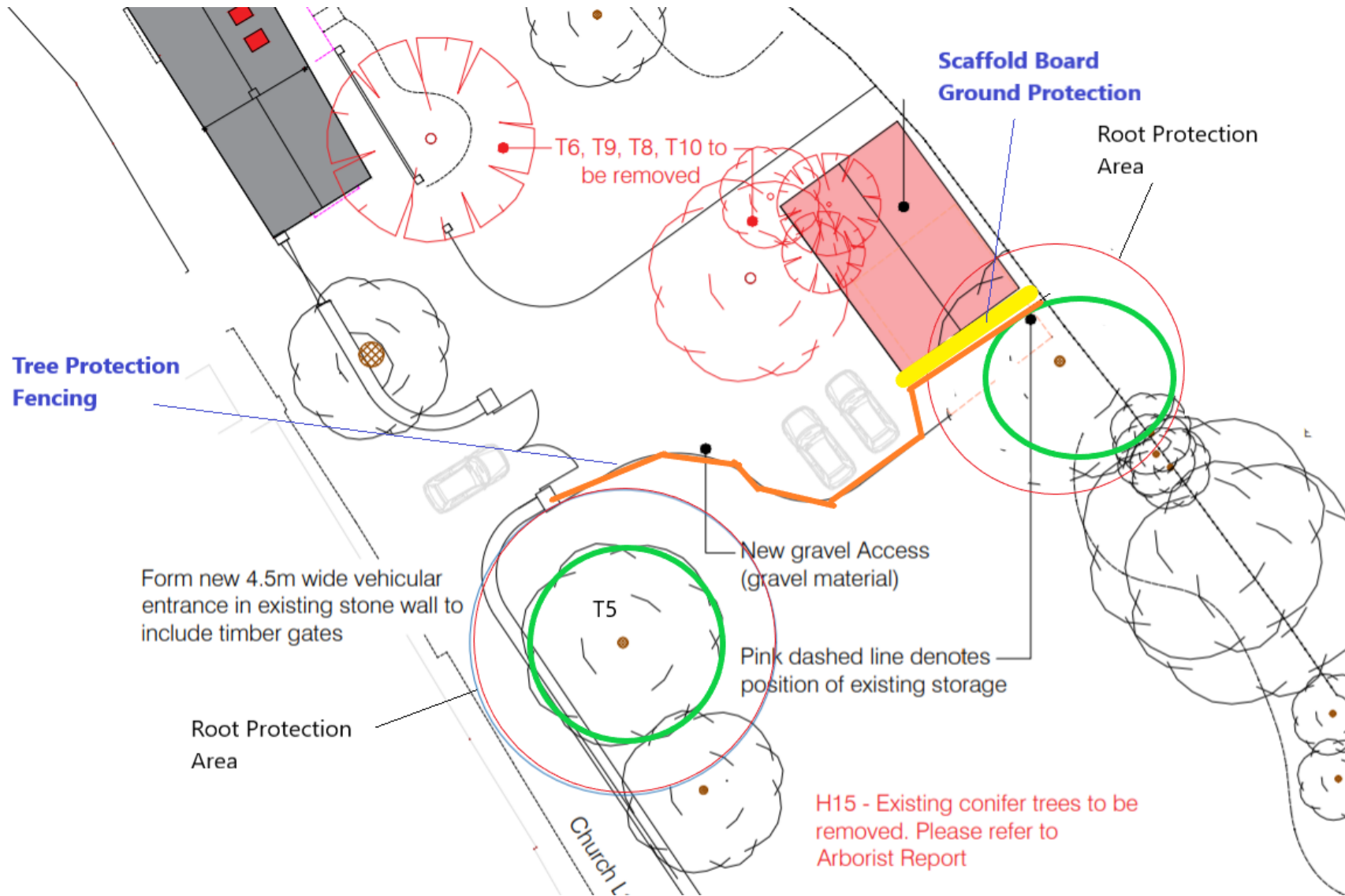
4.3 Construction Space and Access

Adequate space exists for construction work on a mainly open site. Scaffold board ground protection is proposed to provide working space adjacent to trees.

4.4 Services

Services to be located outside the root protection areas for trees.

5.0 TREE PROTECTION (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 within the root protection areas of the trees.

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.
- Trees indicated for removal on the tree schedule to be removed following the local authority meeting.

6.3 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.

6.4 Construction Work

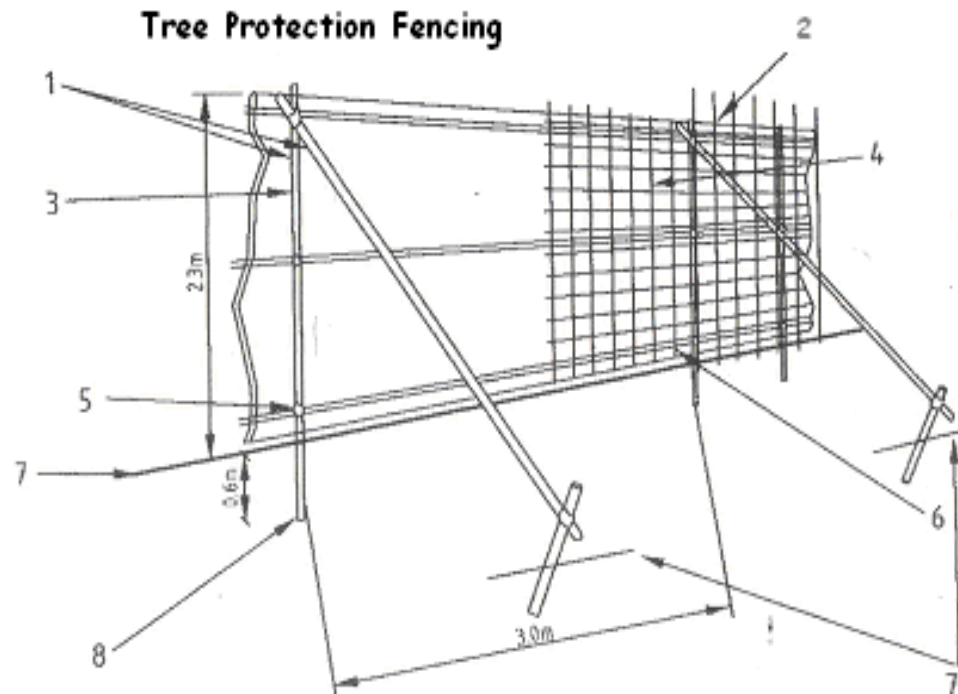
- Once the tree protection measures have been completed then construction work can commence.
- Services for the development are to be located as indicated on the plans with the service runs agreed with the architect and service providers before any excavation work commences. No services to be located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

6.5 Completion of work.

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

Appendix A – Tree Protection

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

