Tree Heritage

Arboricultural Contractors and Consultants

Established 1982

Tree Ref.	Species	Height in m	Stem Diam. in mm @ 1.5m.	Branch Spread in m	Height of Crown Clear-ance	Age class	Physiological Condition	Structural Condition	Preliminary Management Recommendations	Estimated remaining contribution in years	Category Grading.	RPA In Sq. M.	DPB
T1	Oak *Quercus robur*	16	870	6	2.5	M	Good. No serious problems.	Good. No defects found.	The crown would require raising over the proposed garden	40+	A	342	10.4
T2	Oak	14	620	6	3	O/M	Fair. Some dead wood in crown	Fair. Old pollard.	Crown would require raising over the proposed garden. Any significant dead wood over the site should also be removed	40+	B	174	7.4

TREE SURVEY SCHEDULE

Site – 397 Cheadle Road, Cheddleton, ST13 7BH

Date 12th May 2008

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5 Arboricultural Method Statement

5.1 To avoid damage to the trees it is essential to carryout the work in the correct order. It is imperative that **NO** construction work commences until all Arboricultural work is complete and the protective barriers are fully installed and approved. The following order of work should be adhered to.

5.2 **Site clearance**
The removal of the existing vegetation within the RPAs should be done by hand to avoid disturbance of the roots. **THERE SHOULD BE NO SOIL STRIPPING WITHIN THE RPA.**

5.3 Removal of any trees

5.3.1 The felling of the trees agreed for removal shall be undertaken prior to any other work commencing on site.

5.3.2 A competent and experienced specialist tree company (preferably an Approved Contractor from The Arboricultural Association) should be used for all tree related work.

5.3.3 The trees to be removed should be clearly marked and indicated to the tree work contractor.

5.3.4 The removal should be done in such a way as to avoid any damage to the trees that are to be retained.

5.3.5 If the stumps are required to be removed, this should be done using a stump grinder to avoid damage to adjacent root systems.

5.4 **Tree pruning work**
The pruning work suggested in the survey should also be carried out concurrently with the tree removal. This will make the site safe to work on and avoid accidental damage to the trees by construction traffic.

5.5 Tree Protection Fencing

5.5.1 The position of the fencing should be agreed on site between the fencing contractor and the arboriculturalist to ensure that the RPA's are maintained.

5.5.2 The exact minimum distance for the fence to be erected from the tree is given as DPB in my schedule of 12/5/2008. The Local Authority Arboriculturalist may also wish to be involved at this stage. The erection of the fencing should conform to the recommendations in BS 5837:2005 as appendix B.

5.5.3 This includes the posting of notices on the fence stating **"Construction Exclusion Zone – Keep Out"**

TREE HERITAGE LTD.

H E Williams

H.E.WILLIAMS Dated 15th May 2008

3.2 T2 – This is also an Oak that has been "pollarded" in the past. It is not in such good condition as T1 but is still worth retaining. There are significant dead branches in the crown that would require removal and the crown is again low and would need raising over the proposed garden.

4 Tree Protection

4.1 BS 5837:2005 is intended to give recommendations to protect the trees during development and ensure their survival following the construction work. To achieve this there are two main considerations. The first is to protect the roots of the trees and the second to protect the upper parts of the tree, the trunk and branches.

4.2 The main tool to achieve the above is to create "Construction Exclusion Zones" around the trees. These are based on the "Root Protection Area" or RPA as calculated using Table 2 of BS 5837:2005. The RPA's for all the trees are included in the survey. These CEZ are created using heavy barriers made of scaffold poles and steel mesh as shown in Figure 2 of BS 5837:2005 (Appendix B of this report) to prevent machinery entering the RPA.

4.3 The "Root Protection Area" for the trees on this site extends to 10.4 metres for T1 and 7.4 metres from the centre of T2. This means that any work in this area must only be carried out in such a way as to avoid any damage to the trees.

4.4 From the drawing that I have been given the position of the building at plots 1 & 4 are just outside the RPAs of both trees. There are however some problems with this.

A There is no room left for construction purposes at the rear of these 2 plots.

B The position of the soakaway and the drainage runs is inside the RPA of both trees.

C The car parking spaces of plot 4 are within the RPA of T1.

4.5 If it were possible to move the soakaway and the parking place then it would be much better and avoid having to hand dig the trenches etc.

4.6 To construct the building without running machinery around the rear of the properties might be difficult, but not impossible. For instance scaffolding can be erected with precautions inside the RPA BS 5837:2005 shows how to do this in Figure 3 (Appendix C of this report). Pedestrian access can also be agreed provided suitable precautions are taken to avoid soil compaction. These again are described in BS 5837:2005 and usually consist of a geotextile membrane laid on the soil and then a compressible layer of course sand with a single layer of side butting scaffold boards (see Appendix C)

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TREE REPORT AND SURVEY AT

397 Cheadle Road Cheddleton STAFFORDSHIRE ST13 7BH

1. Instructions

1.1 I was instructed to carryout a tree survey of Two Oak trees at the above site in accordance with BS 5837: 2005. This would include categorizing the trees and calculating the Root Protection Areas for each tree.

1.2 I have also been asked to suggest proposals that would allow the proposed development to take place without damaging the existing trees.

2. General description of the site and trees

2.1 The site is a large rear garden with two established mature Oak trees on adjacent land to the south-east corner of the site.

2.2 It is intended to retain the existing property and build 4 houses in the rear garden.

2.3 There are other scrubby trees on site, mainly self-set Sycamores and 1 or 2 old fruit trees in very poor condition. None of these are thought to be worthy of retention and have not been included in this survey.

2.4 The trees on the site that are to be retained by the development are listed in the Tree Condition Survey, which is included as an appendix to this report.

3. The Trees

3.1 T1 – This is a mature Oak that is in good condition. The crown overhangs the site by about 6 metres and some pruning would be required to lift the crown over the proposed garden.

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