

Contracting
Tree surgery
Site clearance
Health and safety
Veteran tree works
Local Authority



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**Arboricultural Advice in accordance with
BS 5837:2012 Trees in relation to design, demolition & construction –
Recommendations
Tree Pruning and protection specification
21st June 2012**

Subject Property: 2 Gorse Way
Glossop
SK13 8SX

Instructing Client: Catherine White
2 Gorse Way
Glossop
SK13 8SX

Completed by: Chris Shortis Dip. Arb. (RFS) M. Arbor A.
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Table of Contents

	Page
1 INTRODUCTION	1
2 TREE PRUNING WORKS	2
3 TREE PROTECTION MEASURES	3

Appendices

1 Qualifications and experience	4
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1 INTRODUCTION

- 1.1 **Brief:** I am instructed by Mrs White to provide the necessary arboricultural advice for the discharge of planning conditions 3 and 5. Note there is no planning condition 4. Our advice is provided in accordance with BS5837:2012 *Trees in relation to design, demolition & construction – Recommendations* (hereafter BS5837) and BS3998:2010 *Tree work - Recommendations*.
- 1.2 **Qualifications and experience:** I have based this report on my site observations and the provided information, and I have come to conclusions in the light of my experience. I have experience and qualifications in arboriculture and list the details in Appendix 1. Observations or comments on structural engineering and the law are made from an arboricultural perspective. Specialist professional advice should be sought to clarify such observations.
- 1.3 **Documents and information provided:** Through the online planning portal I was accessed the following documents:
- Location plan
 - Site plan indicating tree positions.
 - Ground floor plan
 - First Floor plan
 - Elevations drawings
 - Decision notice
- 1.4 **Scope of this advice:** This advice presents the necessary information to ensure tree pruning and protection measures are carried out in such a manner as to minimise the impact of the works on the trees and ensure the successful long-term retention of said trees.
- 1.5 **Caveats:** This report is only concerned with trees in relation to construction. It includes a detailed assessment based on the site visit and the documents provided, listed in 1.3 above. All my observations were from ground level without detailed investigations. Aerial tree inspection, invasive procedures and sub-soil investigations are outside the scope of the report. Should further assessment involving any of these be required it will be highlighted in the report.

2 TREE PRUNING WORKS

2.1 Site overview

2.1.1 The area of the consented works is slightly over hung by the branch tips of a single mature Alder (*Alnus glutinosa*). The tree is also congested with ivy effectively suppressing any inner crown growth.

2.1.2 The consented works entail the construction of a second storey above the existing garage with windows to the front and rear elevations. There will be some internal works to the garage walls though this will have no impact on the adjacent trees.

2.1.3 Pruning works to the tree will need to reduce the branch spread back from the construction area and also to provide sufficient space for the necessary high access scaffold.



2.2 Work Specification

2.2.1 The tree works must be completed by professional and qualified arborists covered by a minimum of £5 million insurance.

2.2.2 The lateral branches are to be pruned back to 1.75m back from the existing garage wall to enable the installation of a 1.5m wide high access scaffold. Pruning cuts should be positioned carefully to keep the size to the minimum at made at suitable healthy side branches. The side branches should have a diameter of at least one third of the branch removed. As far as is reasonably possible the pruning should result in a flowing natural crown outline.

2.2.3 In response to the loss of foliage the tree will respond with new growth. In time this may lead to a future requirement for further pruning. To encourage the formation of inner crown growth to compensate for lost foliage, rather than growth focussed at the branch tips I advise the ivy is removed. There are sound ecological reasons for retaining ivy and in general it does little harm to trees. However the obstruction of light will prevent any inner crown growth which would reduce the trees need to put on rapid growth at the branch tips leading to future pruning. The ivy should be removed in a two-stage operation; initially

severed at the base and allowed to die off over a period of 6 months. This allows any resident wildlife time to relocate and also weakens the ivy's attachment to the tree. After 6 months the ivy can be removed.

2.2.4 Photographic records are to be kept of the tree pruning operation.

3 TREE PROTECTION MEASURES

3.1 **Site conditions:** Between the construction area and the trees is a patio area with the trees growing adjacent to the stream some 2m below the level of the patio at the base of a steep slope.

3.2 Protection measures

3.2.1 The paved patio area is well established and will be retained throughout the construction process to provide ground protection. All external construction works will be carried out on the first floor and the extent of works will be limited to the extent of the scaffolding. This will effectively protect the trees by preventing construction work in close proximity at ground level. Further passive protection for the trees is provided by the level change. Accordingly I see no need for tree protection fencing.

3.2.2 Materials will be delivered on to and stored on the driveway. No materials are to be stored on the paved area between the construction area and the trees, even on a temporary basis.

3.2.3 Cement mixing operations must only take place within a bunded area to ensure spillage and washout water does not enter the rooting area of the trees or the stream. This bunding may take the form of a ready made or may be constructed on site using 160x50mm timber to create a frame lined with sturdy plastic sheeting such as 1200 gauge DPM with a plywood board over the sheet to prevent abrasion creating holes.

3.2.4 **All tree protection measures are to remain in place throughout the construction period and be available for inspection by both High Peak Borough Council and Midland Forestry at any time.**

Chris Shortis

Chris Shortis Dip. Arb. (RFS), M. Arbor A.
Associate Director

Appendix 1

Brief qualifications and experience of Chris Shortis

1. Qualifications

- Royal Forestry Society Professional Diploma in Arboriculture.
- Arboriculture Association Technician Certificate (Credit).
- National Certificate in Arboriculture and Forestry (Double Distinction).
- Awarded Warwickshire College Arboriculture Student of the Year.

2. Practical experience:

- Bournville Landscapes and Tree Care Ltd: Arborist.
- Midland Forestry Ltd: Arboriculturalist.
- Midland Forestry Ltd: Arboricultural Consultant
- Midland Forestry Ltd: Associate Director

3. Continuing professional development:

Studied for The Arboriculture Association Technician Certificate and the Royal Forestry Society Professional Diploma at Westonbirt Arboretum with Treelife AC Ltd Training.

Licensed user of *Quantified Tree Risk Assessment*.

Recent seminars and conferences attended:

- Defensible Tree Management Systems (International Society of Arboriculture)
- Practitioners guide to Visual Tree Assessment
- New Horizons in Arboriculture (Arboriculture Association)
- Arboriculture Association - British Standard 5837:2005 Application and Implications.
- Visual Tree Assessment, Tree Safety Diagnosis and Failure Analysis seminar by Dr. Claus Mattheck
- Preparing for and giving evidence at Public Local Inquiries
- 40th National Arboriculture Conference (Arboriculture Association)
- Fungal Decay Process & Applied Engineering
- Designing with Trees
- Capital Asset Value for Amenity Trees (CAVAT)
- Trees, People and the Built Environment

Independently evaluation of surveys carried out by David Dowson MICFor BA (Hons) F.ARBOR.A Dip Arb (RFS) of Treelife AC Training Ltd as part of the accreditation procedure for Arboriculture Association Approved Contractor status.

Midland Forestry is committed to continuing professional development.

4. Membership of professional bodies:

- Professional Member of the Arboriculture Association.
- Member of the Royal Forestry Society.
- Associate Member of the Institute of Chartered Foresters.