



45 HULBERT ROAD
WATERLOOVILLE
HAMPSHIRE
PO7 7NX

JUNE 2017

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Appendix 1 Site plan showing RPAs and the location of the garage and sheds

1.0 INTRODUCTION

- 1.1 This document was instructed by Mr. Hamilton regarding a new garage and two sheds established within or near to trees within the site at 45 Hulbert Road, Waterlooville, Hampshire. The position of the trees on the site is illustrated at **Appendix 1**.
- 1.2 It provides comments on the garage and two sheds with regard to their impact on the trees.
- 1.3 Some of the trees are covered by a Tree Preservation Order (See section 6).

2.0 SITE VISIT

- 2.1 The site visit was undertaken on 26th June 2017. Weather conditions at the time of the survey were dry and sunny with a light breeze.

3.0 SITE DESCRIPTION

- 3.1 The site is located in Waterlooville Hampshire in a residential area. The site currently comprises a detached cabin set in large grounds with a small stream at the bottom of the site with a row of trees along the northern boundary.

4.0 ROOT PROTECTION AREAS

- 4.1 In accordance with BS5837: 2012, the root protection area (RPA) of the trees was calculated for the original cabin planning application and these are shown on the plan attached at **Appendix 1**.

Tree	Root protection area in meters radially from centre of the stem
T1 Oak	15
T2 Oak	6.3
T3 Oak	4.2

5.0 COMMENTS ON GARAGE AND SHED DESIGN AND INSTALLATION

5.1 GARAGE

The garage has been erected following the slope of the land. Any minor levelling was undertaken using hand tools. A layer of DPM was then placed on the ground and a small layer of 50cm depth concrete laid above this. The approximate area of change of ground surface for this structure within the RPA of T1 is 33sqm; less than 5% of the total RPA of 707sqm. Given this it is not considered that this structures construction has had a detrimental impact on the long-term health or stability of the tree. Within this area two 50cm cubed pads were dug by hand to support the vertical wooden posts.

5.2 SHED 1

Shed 1 is off the plan and it is unclear if the trees adjacent to it are subjects of a TPO or not. The ground level has not been altered in this area at all. The shed has been constructed on piles of bricks placed directly on the ground on top of a layer of DPM. Given this it is not considered that this structures construction has had a detrimental impact on the long-term health or stability of any of the trees to which it is adjacent.

5.3 SHED 2

Shed 2 is located within the RPA of T1. The ground level has not been altered in this area at all. The shed has been constructed on piles of bricks placed directly on the ground on top of a layer of DPM. This shed has had the base boxed in with decking boards. The approximate area of change of ground surface for this structure within the RPA of T1 is 28sqm; less than 5% of the total RPA of 707sqm. Given this it is not considered that this structures construction has not had a detrimental impact on the long-term health or stability of the tree.

This shed is within the RPAs of some smaller trees but given the construction as per above again this is not considered to be detrimental to the long-term health or stability of the trees.

6.0 TREE PRESERVATION ORDER

- 6.1 There is a tree preservation order covering these trees and several others on the site. TPO 1393 was served by Havant Borough Council in 1989.

7.0 CONCLUSIONS

- 7.1 It is not considered that the long-term health or stability of the trees has been affected by the installation of the garage and two sheds.
- 7.2 Only the root protection area of T1 is breached by the garage and shed 1, the total of this breach being less than 10% of the overall root protection area.
- 7.3 The construction methodology within this report demonstrates that the rooting area of the trees included had minimal disturbance.
- 7.4 It is advised that an area of approximately 1m around the stems of these trees is established and filled with top soil, allowing for more water percolation, gaseous exchange and to define a barrier to prevent mechanical damage from vehicles using the driveway.

CREDENTIALS OF THE AUTHOR

Sarah Johnston M. Arbor. A., B.Sc. Arboriculture has worked in the Arboricultural profession for thirteen years. Her experience has been gained from undertaking practical tree work as well as working as an Arboricultural Surveyor and Tree Officer for Eastleigh and Havant Borough Councils respectively. In addition Sarah worked as a consultant for Marishal Thompson for two years from 2005 when she became self-employed. Sarah is a Professional Member of the Arboricultural Association and holds Professional Indemnity Insurance cover trading as Johnston Tree Consultancy.

