



elliottconsultancy ltd.
arboricultural consultants



Location:
**Woodleigh House
Main Road
Aislaby**

Survey Type:
Arboricultural Survey

Ref:
ARB/AE/2543

Date:
February 2021

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1 Introduction

1.1 Acting upon the request of the property owner an arboricultural inspection was undertaken of a single tree within the front garden of Woodleigh House, a semi-detached residential property, on the 23rd February 2021. The survey was undertaken by Andrew Elliott of Elliott Consultancy Limited.

1.2 Scope of the report:

- This report provides arboricultural information and advice in relation to the health, safety, and general management requirements of the tree inspected.

1.3 Target Potential:

Target potential under and around the tree varies from a high target potential - were the tree to fail at the base or lower stem; to a moderate target potential – for an overhanging limb to fail into the adjacent highway corridor or to strike a user of the garden or parked car.

1.4 The tree is protected by merit of location within a Conservation Area; advice should be sought from the relevant planning department before any subsequent remedial works are undertaken.

1.5 It is possible that tree inspected within this survey may also be habitat for a variety of species. It is not within the remit of this report to investigate matters other than arboricultural issues.

2 Tree Details

2.1 The tree is located within the front garden of the property, immediately adjacent to the public highway. Figure 1 shows the trees location:



Figure 1: Tree location.

2.2 Tree Data:

Species: Horse Chestnut

Age-class: Mature

Height: 16m (est)

Stem diameter at 1.5m: 111cm

Crown-spread: 6m average

2 Tree Details (cont)

2.3 Tree Condition:



Figure 2: subject tree

Rooting and basal area are in good condition with no evidence of fungal infection, root-plate movement, decay, or any significant restricted growth. Some minor surface root damage was noted due to impact but without structural or physiological significance. Buttressing is characteristic of age and species with no defects noted.

The tree stem is in reasonable condition but with some areas of necrotic bark, probably due to Horse Chestnut Canker. The lack of any new exudates connected to this pathogen suggest the tree has tolerated this infection and the subsequent bark damage. An area of bacterial flux was also noted on the stem, but again this may be a secondary symptom of some minor internal dysfunction due to the impact of canker and does not appear to have any current physiological bearing.

2 Tree Details (cont)

The stem bifurcates at 2m becoming 3 co-dominant stems. The union between the stems is acute but reasonable with no evidence of cracking or failure.

At 4m a sub-dominant scaffold limb crosses over a larger stem to the north. This crossing stem may cause damage to the lower stem and become weakened by the ongoing incremental growth of both stems.



Figure 3: Crossing stem.

Within the crown of the tree a moderate amount of deadwood was noted and the crown is now extending to within a metre of the adjacent building.

2 Tree Details (cont)

The trees owner expressed concern over leaf-browning and early seasonal leaf loss – this is expected to be due to either the action of the fungi *Guignardia aesculi*, or the Horse Chestnut Leaf Miner; both of which are common pathogens of Horse Chestnut that cause significant leaf damage, but which are essentially cosmetic and without impact to the long-term condition of the tree.

3 Summary & Recommendations

3.1 The tree was found to be in reasonable condition and requires only minor routine remedial work and pruning:

- Remove smaller crossing stem from 4m – remove back to the stem.
- Prune back small diameter branch overhang from building – to provide 2.5m clearance of roofline.
- Remove crown deadwood.

3.2 Tree condition can be subject to change and it is recommended that the tree is subject to a three-yearly reinspection program, to be re-inspected during autumn 2024. if in the interim any change in condition is noted please contact ELC for advice.

3.3 If any element of this report requires clarification please do not hesitate to contact Elliott Consultancy Ltd for further details.

Andrew Elliott
Arboricultural Consultant