

TREE HEALTH & SAFETY SURVEY
AT BROOMFIELD, PINEHEATH ROAD, HIGH KELLING



Prepared for Mr and Mrs Short

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Appendix 1 – Tree Survey Schedule

Appendix 2 – Tree Location Plan

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1. Terms of Reference

- 1.1 The aim of this survey is to fulfil the site owner's duty of care as a landowner and to ensure, as far as is reasonably practicable, that the trees do not pose significant risks to residents, visitors and third parties.
- 1.2 The client's instructions were to inspect all trees within their ownership.

2. Tree Survey Methodology and Findings

- 2.1 Trees were surveyed from ground level with the aid of a soft hammer, probe and binoculars on 16 July 2018. The Survey Results are presented on Appendix 1.
- 2.2 Tree positions have been approximately marked on the accompanying Tree Location Plan – Appendix 2.
- 2.3 The findings of the report and remedial measures are listed in the table (attached).
 - i. The oak tree (T8) has a significant defect in the form of a weak union between the two main stems, around 1m above ground level and requires remedial work. This is the primary area of concern across the whole site.
- 2.4 Other trees have less significant defects, not all requiring remedial work. See the Tree Survey Schedule for full details of what requires work.

3. Competence and Training

- 3.1 The survey was completed by Jonathan Bundock who holds the industry standard LANTRA Professional Tree Inspection qualification and the ISA Tree Inspection qualification as well as other qualifications within the industry.

4. Permissions and Constraints

- 4.1 The site is believed to be the subject of a Tree Preservation Order and is within a Local Authority Conservation Area. Therefore, up to 8 weeks prior notice of any works to the trees or that may affect the condition of the trees must be given to the Local Planning Authority.
- 4.2 A copy of this report may assist the planning authority in determining whether or not to approve the necessary tree works.

5. Survey Limitations

- 5.1 Trees are dynamic organisms, subject to the forces of nature, and can fail without showing external symptoms of weakness or decay. In some circumstances trees fail without any decay being present
- 5.2 The site owners' duty is not to maintain all trees in a perfectly safe condition but to take reasonable precautions to maintain public safety. This survey forms part of an on-going system to ensure this duty is met.
- 5.3 The inspection findings remain valid for 12 months after which the trees will require further inspections as prescribed in section 6 below.

6. Recommendations for Future Inspections

- 6.1 It is recommended that a further professional inspection is carried out at maximum 3 year intervals. Additional checks are also recommended following any extreme storm event such as gales.

J. Bundock BSc Hons Env, Tech Cert Arbor A
A.T. Coombes Associates Ltd
20 July 2018



Tree No.	Species	Age Class	Defect	Defect Noted	Required Work	Likelihood of Failure	Likelihood of Impacting Target	Likelihood of Failure and Impact	Consequences of Failure	Risk Category	Time frame for remedial works
1	Silver birch	EM	Y	Soil levels appear to have been lowered in recent years exposing some surface roots. The northernmost root is decayed though overall the tree appears sound.	No work	Possible	High	Somewhat likely	Significant	Low to Moderate	n/a
2	Silver birch	EM	N	Soil levels appear to have been lowered in recent years exposing some surface roots. The southernmost root is decayed though overall the tree appears sound.	No work	Possible	High	Somewhat likely	Significant	Low to Moderate	n/a
3	Silver birch	EM	Y	Small patch of dark exudate on north of stem at base. This can sometimes be associated with honey fungus. No sign of honey fungus noted.	No work	Possible	High	Somewhat likely	Significant	Low to Moderate	n/a



Tree No.	Species	Age Class	Defect	Defect Noted	Required Work	Likelihood of Failure	Likelihood of Impacting Target	Likelihood of Failure and Impact	Consequences of Failure	Risk Category	Time frame for remedial works
4	Silver birch	EM	Y	Soil levels appear to have been lowered in recent years exposing some surface roots. Several surface roots on the north side appear to have been damaged and are desiccated.	Reduce wind loading by carrying out a reduction of up to 2m from the top and 1m in all directions from the residual canopy. Incorporate a minor thin where practicable whilst retaining the shape of the tree.	Possible	High	Somewhat likely	Significant	Moderate	within 6 months



Tree No.	Species	Age Class	Defect	Defect Noted	Required Work	Likelihood of Failure	Likelihood of Impacting Target	Likelihood of Failure and Impact	Consequences of Failure	Risk Category	Time frame for remedial works
5	Silver birch	EM	Y	Soil levels appear to have been lowered in recent years exposing some surface roots. Several surface roots on the south side appear to have been damaged and are desiccated.	Reduce wind loading by carrying out a reduction of up to 2m from the top and 1m in all directions from the residual canopy. Incorporate a minor thin where practicable whilst retaining the shape of the tree.	Possible	High	Somewhat likely	Significant	Moderate	within 6 months
6	Silver birch	EM	Y	Historic basal decay. Buttress roots appear sound with appropriate flaring.	No work	Improbable	High	Unlikely	Significant	Low	n/a



Tree No.	Species	Age Class	Defect	Defect Noted	Required Work	Likelihood of Failure	Likelihood of Impacting Target	Likelihood of Failure and Impact	Consequences of Failure	Risk Category	Time frame for remedial works
7	Sweet chestnut	M	Y	Deadwood present in crown. Low branches overhanging the decking and extend toward the house. Not yet touching but may cause fabric damage in the future.	Remove dead wood. also carry out crown raise. current level is 1.6m. Raise to 3m.	Probable	Low	Unlikely	Minor	Low	n/a
8	Pedunculate oak	M	Y	Weak fork at 1.3m with included bark. Not tensile. The smaller stem is weighted heavily over the road.	Reduce eastern stem by 2m in all directions including uppermost branches (height reduction). Clean out to remove any dead wood. Raise canopy over the road to provide statutory 5.2m clearance.	Possible	High	Somewhat likely	Severe	Moderate	3 months

Tree No.	Species	Age Class	Defect	Defect Noted	Required Work	Likelihood of Failure	Likelihood of Impacting Target	Likelihood of Failure and Impact	Consequences of Failure	Risk Category	Time frame for remedial works
9	Sweet chestnut	EM	Y	Low branches over the highway. Minor dead wood.	Raise to clear highway to provide 5.2m clearance. Remove any dead wood.	Probable	High	Likely	Minor	Low	6 months
11	Silver birch	M	Y	Historic basal damage with minor decay. Sounded well with a nylon mallet.	No work	Improbable	High	Unlikely	Significant	Low	n/a
10	Silver birch	EM	N	No defect	No work						n/a
12	Pedunculate oak	M	Y	Previous limb failure in the west (central) crown. Subsequent regeneration is weakly attached. Dead wood present throughout crown.	Clean out and remove dead wood. Inspect the broken stem for weak unions and reduce the regenerative growth in that area where necessary. Evidence of this area to be recorded and sent to arboricultural consultant.	Probable	Medium	Somewhat likely	Significant	Moderate	6 months





Appendix 2 – Tree Location Plan



Site	Broomfield, High Kelling		
Report dated	20/07/2018		
Surveyed	16/07/2018 16:17:33		
Location	Broomfield, High Kelling, Norfolk		
Client	Mr and Mrs S Short		
Created By	A.T.Coombes Assoc Ltd		