



JCP Arboriculture

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Tree Hazard Evaluation

**The Croft
Thornholme Road
Sunderland
SR2 7NR**

Submitted to:

MHS Contryside Management
Peel acres Farm
Walworth
Darlington
Co Durham
DL2 2LZ

Prepared By:
J.C.Philpott N.D.Arb

Ref: JCPMHC

Introduction to JCP Arboriculture

Based in Tadcaster North Yorkshire, JCP Arboriculture is a professionally qualified and insured company offering a range of services. JCP Arboriculture delivers a comprehensive range of arboriculture and associated services to its customers in a professional and efficient manner in full conformance to industry tree care standards and safe work practice. Quality of services is constantly provided due to the extensive practical experience and academic qualifications of consultants together with their commitment to the welfare of trees as an integral part of the environment.

Inspector

J.C.Philpott N.D.Arboriculture

Report Limitations

The trees were inspected from ground level only. No aerial inspection was carried out. If aerial inspection is required it will be documented within the detailed survey sheets. No digging of the soil around the root zone was carried out.

Trees are living organisms and as such the health and condition can change rapidly. The health, safety and condition of the trees should be checked regularly to ensure their well-being, preferably once a year. The conclusions and recommendations in this report are valid for a period of one year from the date of this report. This limit of validity may be reduced in the case of any change in the conditions to or in close proximity to the tree.

Having checked with the Local Planning authority I can confirm there is an Area Tree Preservation Order (TPO) covering the trees to the western boundary of the site. The site also falls into the Ashbrook Conservation Area. With this in mind statutory permission must be sought prior to any work being undertaken.

Local Planning Authority (LPA)

Tree Preservation Order Status:	Area
Conservation Area:	Ashbrook Conservation Area
Local Planning Authority:	Sunderland City Council
Senior Arboriculturalist:	N/A

Instructions

Site: The gardens and public areas of The Croft, Thornholme Road, Sunderland

Client: MHS Countryside Management

Have been instructed by Steven Houston of MHS Countryside Management to visit the site and prepare a report of my findings with regard to:

- The health and safety implications to any person or persons the come into contact with any of the trees on site.
- Structural integrity of the Trees
- Investigate cause and possible solution from debris falling from trees onto car-parking areas and refuse areas
- Recommended remedial Arboricultural work
- Recommendation for replanting

Date of Inspection

4th November 2019

Name of Surveyor

Jim Philpott

Weather Conditions

Cold and Overcast.

Summary

The client wishes to have a tree survey of the grounds and public areas within an area map supplied by themselves. The survey of the trees is predominantly to ensure that the trees on site are safe and offer no significant hazard to members of the public that use the various public areas and footpaths. Also it will identify any remedial arboricultural works required to any of the trees. It has been brought to the attention of the managing agent that debris and a sticky substance has been falling from the trees onto cars using the parking areas beneath. Two areas were identified that are problematic by MHS Countryside Management via email and a concerned resident spoke to the consultant whilst on site. The area to the north east of the site with trees growing from the adjacent property and to the north of the property adjacent to the refuse point.

The trees in question are 2 x Sycamore and 2 x Swedish Whitebeam. They have been pruned in the past possibly when the site was initially developed and subsequent crown lifting and Crown thinning operations. The debris falling from the tree is natural

shedding of small twigs, branches and autumn leaf fall. There is little or no major dead wood within the canopy of the trees at the time of the survey and further pruning will not halt natural shedding.

The sticky substance found on the ground and covering cars parked beneath the tree is called Honey Dew. During the spring and summer months many species of tree including Sycamore and Lime attract small green fly like insects (Aphids). As the aphid feeds it exudes the sugary substance known as Honey Dew which falls to the ground. As Honey Dew is sticky it attracts any particulates present in the air thus making whatever it lands on dirty. This is a natural process and the aphids form part of a larger food chain important to the environmental benefits of an urban environment. There is no effective control for the Aphids apart from the removal of the tree. The presence of aphids in a tree will not warrant the removal of healthy trees.

In total 33 trees were surveyed. The only formal management that the trees have undergone would have been undertaken at the time that the site was developed. There are a number of mature trees to the western and northern boundary with a smaller number of young trees planted along the eastern boundary.

There are 2 trees that need to be removed. The only time that trees have been considered for removal is if they are dead, have significant structural defects, subject to infection by decay pathogens or are or have the potential to cause damage to structures. Where re-planting is detailed within the report I would suggest re-planting like for like unless a more suitable specimen is required.

The removal of dead wood is required to 2 trees. This is undertaken where there is a risk of the dead wood falling from the tree and striking a resident or member of the public, usually dead wood will be left in the tree due to the wider environmental benefits dead wood offers.

Ivy has become established to a number of trees. Although not necessarily problematic to the tree, Ivy can hide any amount of structural abnormalities within a canopy and increase the size and shape of the canopy thus leading to an increase in sail area that may lead to canopy failure. Ivy should be severed or severed and removed from 11 of the trees and then the trees re-inspected.

Canopy reduction of one kind or another is required to 2 trees. The canopy reduction may be a complete reduction of the canopy to either reduce the size of the tree, re-shape the tree to give a more balanced appearance or a lateral reduction away from structures to prevent the risk of direct damage from the tree.

Following are the detailed survey sheets, survey definitions and detailed maps showing the location of the trees.

SURVEY DEFINITIONS

Tree ID.

Given to a tree and correlates to the survey data sheets

Tag No.

A numbered aluminum tag for identification when on site

Species

Defined by botanical name and Common name

Age Classification

NP = Newly Planted

Y = Young

SM = Young mature

EM = Early Mature

M = Mature

OM = Over Mature

Height

Height of the canopy measured from ground level to the highest part of the canopy.
Measured in meters with a sunto clinometer.

DBH

Diameter at breast height, measured in Milometers at a height of 1.3m.

Crown Spread

Spread of canopy measured at the widest part of the canopy.

Observations

Root Condition

The visual assessment of the rooting area, taking into consideration any evidence of physical damage, soil compaction, excavation work or drainage problems.

Stem Condition

The visual assessment of the stem and main scaffold branches. Inspection for visible faults, wounds or exterior signs, which may suggest the possibility of internal faults.

Leaf and Bud

The visual assessment of the amount and condition of foliage cover and or bud development, when compared against the foliage of the surrounding trees.

Priority

Work of immediate priority that should be undertaken within the first six months after the date of the Tree Hazard Evaluation Study.

Work of a high priority that should be undertaken within the first twelve months after the date of the Tree Hazard Evaluation Study.

Work of a low priority that should be undertaken to establish the longevity of the tree stock inside the boundary of the property within the bounds of good Arboricultural practice.

Trees that require no work but should be monitored annually.

Work

Recommendations for remedial Arboricultural works. Where recommendations have been identified note should be taken of the work priority and the suggested time period. The surveyor can sustain no liability of the structural or biological nature of the tree if the recommendations are not undertaken within the time limit stated.

Survey Sheets



Data Sheets; The Croft, Thornholme Rd, Sunderland

Tree Tag No.	Species	Age Class	Observations	Recommendations	Work Priority
T1 540	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past.	No action	
T2 541	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past.	No action	
T3 542	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past. Low Hanging canopy	Crown Lift to 2m	Low
T4 543	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past.	No action	
T5 544	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past.	No action	
T6 545	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past.	No action	
T7 546	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past.	No action	
T8	Sycamore <i>Acer pseudoplatanus</i>	M	Old pruning wounds on stem. Bat box present on stem Previous pruning wound present within the canopy Minor dead wood within the canopy	No action	
T9	Swedish Whitebeam <i>Sorbus intermedia</i>	M	Old pruning wounds on stem. Previous pruning wound present within the canopy Minor dead wood within the canopy	No action	
T10	Holly <i>Ilex aquifolium</i>	M	Minor dead wood within the canopy	No action	
T11	Swedish Whitebeam <i>Sorbus intermedia</i>	M	Ivy clad stem Old pruning wounds on stem. Previous pruning wound present within the canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T12 547	Sycamore <i>Acer pseudoplatanus</i>	YM	Minor dead wood within the canopy Low hanging canopy Canopy fouling adjacent building	Prune from building to give 1m clearance.	Immediate



Data Sheets; The Croft, Thornholme Rd, Sunderland

Tree Tag No.	Species	Age Class	Observations	Recommendations	Work Priority
T13 548	Sycamore <i>Acer pseudoplatanus</i>	M	Old pruning wounds on stem. Previous pruning wound present within the canopy Minor dead wood within the canopy	No action	
T14 549	Silver Birch <i>Betula pendula</i>	YM	Minor dead wood within the canopy. Trees pruned in the past. Low Hanging canopy Storm damage in upper canopy	Crown Lift to 2m Repair storm damage	Immediate
T15 550	Sycamore <i>Acer pseudoplatanus</i>	M	Old wound to the northern side of the stem extending to approximately 5m. Possibly fire damage. Previous pruning wounds throughout the canopy Minor dead wood within the canopy	No action	
T16 551	Beech <i>Fagus sylvatica</i>	M	Ivy clad stem Minor dead wood within the canopy Suppressed by the adjacent trees.	No action	
T17 552	Sycamore <i>Acer pseudoplatanus</i>	YM	Minor and major dead wood within the canopy. Suppressed by adjacent tree	No action	
T18 553	Sycamore <i>Acer pseudoplatanus</i>	M	Minor dead wood within the canopy Previous pruning wounds	No action	
T19 554	Sycamore <i>Acer pseudoplatanus</i>	M	Minor dead wood within the canopy Previous pruning wounds	No action	
T20 555	Common Ash <i>Fraxinus excelsior</i>	OM	Ivy clad stem Minor & major dead wood within the canopy Apical dieback Fruiting body of <i>Inonotus hispidus</i> (Ash Heart Rot) found beneath canopy.	Fell to ground level and re-plant space.	Immediate
T21 556	Sycamore <i>Acer pseudoplatanus</i>	M	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T22 557	Sycamore <i>Acer pseudoplatanus</i>	M	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T23 558	Sycamore <i>Acer pseudoplatanus</i>	YM	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High



Data Sheets; The Croft, Thornholme Rd, Sunderland

Tree Tag No.	Species	Age Class	Observations	Recommendations	Work Priority
T24 559	Sycamore <i>Acer pseudoplatanus</i>	YM	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T25 560	Sycamore <i>Acer pseudoplatanus</i>	YM	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T26 561	Sycamore <i>Acer pseudoplatanus</i>	YM	Ivy clad stem. Minor dead wood within the canopy	No action	
T27 562	Norway Maple <i>Acer platanoides</i>	YM	Minor dead wood within the canopy Suppressed by the adjacent tree	No action	
T28 563	Beech <i>Fagus sylvatica</i>	YM	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T29 564	Sycamore <i>Acer pseudoplatanus</i>	YM	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T30 565	Sycamore <i>Acer pseudoplatanus</i>	YM	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T31 566	Common Ash <i>Fraxinus excelsior</i>	OM	Ivy clad stem Minor & major dead wood within the canopy Apical dieback Fruiting body of <i>Inonotus hispidus</i> (Ash Heart Rot) present on stem.	Fell to ground level and re-plant space.	Immediate
T32 567	Sycamore <i>Acer pseudoplatanus</i>	YM	Ivy clad stem and canopy Minor dead wood within the canopy	Sever Ivy Remove Re-inspect once ivy removed	Immediate High High
T33 568	Sycamore <i>Acer pseudoplatanus</i>	YM	Minor dead wood within the canopy	No action	

Detailed Map

Location of trees subject to JCP Arboriculture Ltd
Tree Hazard Evaluation

The Croft
Thorneholme Road
Sunderland



Before authorizing these, or any other tree works, you should contact your Local Planning Authority as the trees are subject to Tree Preservation Orders and within a Conservation Area, statutory permission is required before any works can take place.

When appointing a tree works contractor, please use only properly qualified and experienced companies and always check that they carry Public and Products Liability Insurance with a minimum of £2,000,000 cover and the relevant Employers Liability Insurance.

All tree pruning works should be carried out to British Standards 3998: 2010
Recommendations for tree work

This report is for the sole use of the above named client and refers to only those trees identified within, use by any other person(s) in attempting to apply its contents for any other purpose renders the report invalid for that purpose.

Signed ...*J.C.Philpott*.....

Date...5th November 2019.....