HAZARD SAFETY AUDIT

Bronwyn Curtis

Site: Skylark, Salterns Lane, Bursledon, SO31 3DH

CBA Trees
Russell House, Unit 20, Chalcroft Business Park,
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The Complete Arboricultural Consultancy

June 2014
CBA10260 v1

HAZARD SURVEY AUDIT NOTES

This Hazard Survey Audit has been undertaken in consideration of current good arboricultural practice with regards to the health and safety of the tree stock on this site.

Inspection Method

This survey is a basic data collection exercise undertaken from ground level only, and records tree condition at the time of survey. This will identify any visible signs of ill-health or major defects, advising further detailed investigation where appropriate. No assessment has been carried out in respect of ingress of roots into underground services or the potential of indirect property damage. Such matters are beyond the scope of this survey.

- Each tree has been numbered and, where instructed, for future identification on site, tagged using small durable metal or plastic tags.

- An assessment of a tree's **age classification** is made in terms of its maturity within the site's landscape and recorded thus:

Y	**=**	**young trees i.e. newly planted or just established**
SM	**=**	**semi-mature trees, i.e. those that have reached one-third of their anticipated life expectancy**
EM	**=**	**early-mature trees, i.e. those that have reached two-thirds of their anticipated life expectancy**
M	**=**	**mature trees, i.e. those that have entered the final third of their anticipated life expectancy**
OM	**=**	**over-mature trees, as above but showing signs of low vigour and decline**
V	**=**	**veteran, trees that achieved their full life expectancy, are of exceptional size/age and of conservation value**

- The **trees height** is recorded in 5 metre (m) increments: -

<5	**=**	**under 5 metres in height**
5-10	**=**	**between 5 and 10 metres in height**
10-15	**=**	**between 10 and 15 metres in height**
15-20	**=**	**between 15 and 20 metres in height**
>20	**=**	**over 20 metres in height**

- The **trunk diameter** is recorded in 150 millimetre (mm) increments, taken at 1.5 metres above ground level on single stem trees and just above the root flair on multi-stemmed trees:-

<150	**=**	**under 150 millimetres diameter**
150-300	**=**	**between 150 and 300 millimetres diameter**
300-450	**=**	**between 300 and 450 millimetres diameter**
450-600	**=**	**between 450 and 600 millimetres diameter**
>600	**=**	**over 600 millimetres diameter**

- The **crown spread** is recorded in 5 metre (m) increments and is an average overall crown spread taken from drip line to drip line

<5	**=**	**under 5 metres crown spread**
5-10	**=**	**between 5 and 10 metres crown spread**
10-15	**=**	**between 10 and 15 metres crown spread**
15-20	**=**	**between 15 and 20 metres crown spread**
>20	**=**	**over 20 metres crown spread**

- An assessment of a tree's structural and physiological **overall condition** is to be made as:

Good	**=**	**none or limited structural defects and good physiological condition**
Fair	**=**	**remediable structural defects and/or below average physiological condition**
Poor	**=**	**irremediable structural defects and/or poor physiological condition**
Dead	**=**	**moribund, no further useful life**

- It is strongly recommended that tree works should be undertaken within the timescales denoted in the Priorities column, and are recorded as action required:

Imminently dangerous	**=**	**Immediate**
Urgent	**=**	**Within 1 month**
Necessary	**=**	**Within 3 months**
Important	**=**	**Within 6 months**
Routine	**=**	**Within 12 months**

- Where ivy is identified on a tree, to prevent the tree from becoming suppressed, to reduce the risk of wind-throw and to alleviate additional weight, it has been recommended that a 300mm section of the ivy should be severed and removed around the base of the tree, unless otherwise stated.

- At the time of inspection, due to ivy cover, location etc, it may not be possible to verify the health and safety of the trees and it is therefore essential that re-inspections be undertaken within the recommended timescales to reduce the risk of potential hazard.

- Comments have been provided only where considered appropriate or necessary to provide additional information.

- Any tree groups have been assessed using estimated and representative data only.

- All dimensions recorded have been estimated and are given for guidance purposes only.

HAZARD SAFETY AUDIT

Client:	Bronwyn Curtis
Site	Skylark, Salterns Lane, Bursledon SO31 3DH
Date of Survey:	13 June 2014
Consultant:	Stefan Rose BSc(Hons), TechCert (Arbor A)
Tagged:	No
Weather:	Sunny, warm, light winds

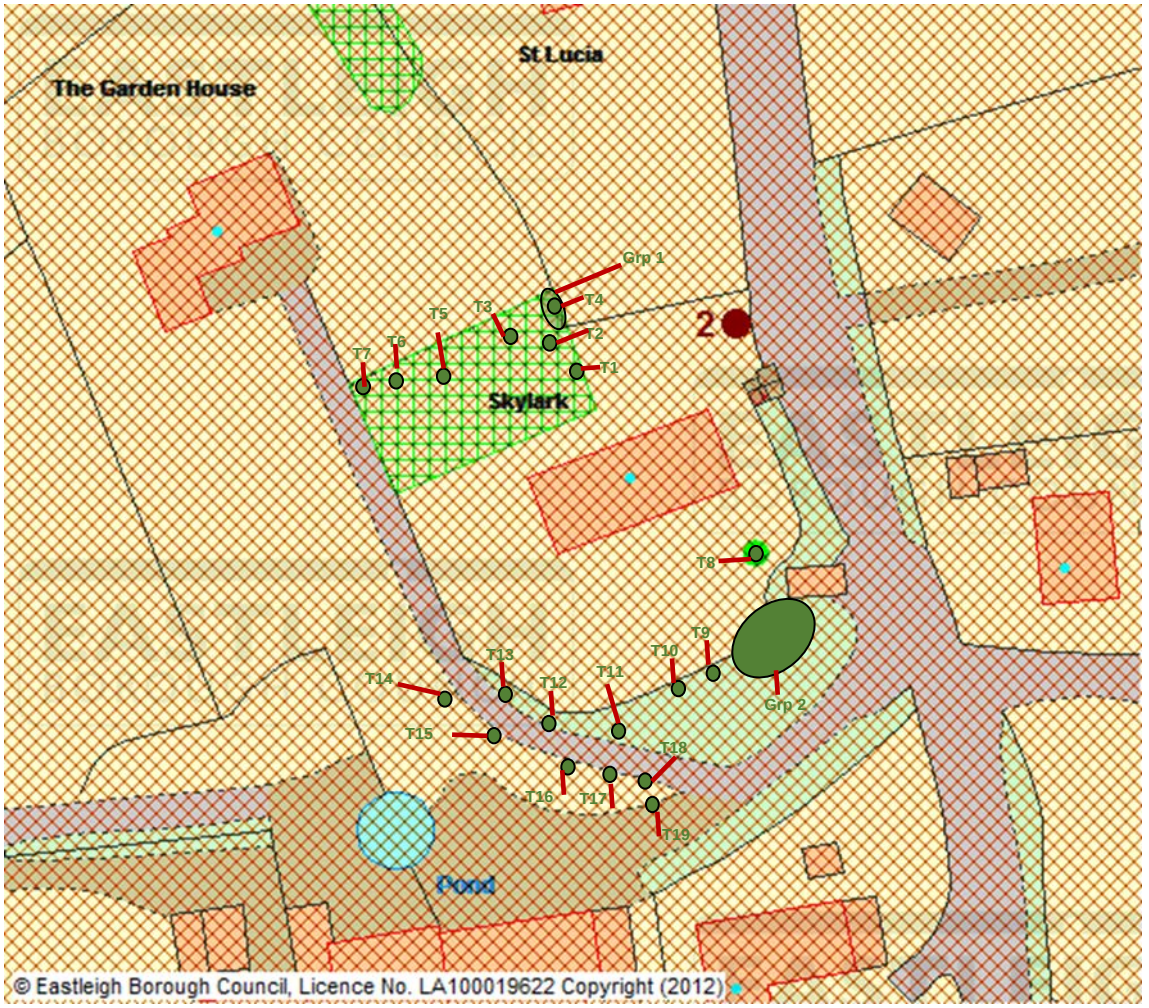
TREE PRESERVATION ORDER/CONSERVATION AREA:
CBA Trees has been instructed to investigate whether trees on or adjacent to the site are protected by a Tree Preservation Order or located within a Conservation Area.
The Local Authority has confirmed that some trees are protected by Tree Preservation Orders 477 and 695 (see trees annotated in red).
The Local Authority has confirmed that the site is located within Conservation Area.

Tree No	Species	Age Class	Height (m)	Trunk Diameter (mm)	Crown Spread (m)	Overall Condition	Defects and other Relevant Comments	Recommended Works	Priority (months)	Recommended Re-inspection Interval
1	Common Lime *Tilia x europaea*	Early-mature	>20	>600	10-15	Good	Basal suckers Low hanging branches touching chimney Old pruning wounds on trunk and in crown Previously crown reduced Minor deadwood in crown Crown shape distorted due to group pressure Old pruning wounds on trunk and in crown Epicormics on trunk	Long term - consider thinning regrowth Remove basal suckers Crown lift to approximately 7m above ground level removing approximately seven branches(epicormic growth) no larger than 150mm	Necessary - within 3 months	3 years
2	Common Lime *Tilia x europaea*	Semi-mature	15-20	300-450	5-10	Good	Epicormics on trunk and in crown Crown shape distorted due to group pressure Growing and weighted North-east Major deadwood in crown Previously crown reduced Old pruning wounds on trunk and in crown	Long term - consider thinning regrowth Sever ivy Crown lift to 7m removing small <25mm epicormic growth Remove major deadwood	Necessary - within 3 months	3 years
3	Common Sycamore *Acer pseudoplatanus*	Mature	15-20	450-600	10-15	Good	Growing in middle of gap Basal suckers Crown shape distorted due to group pressure Weighted Sout-west Old pruning wounds Minor deadwood in crown Epicormics in crown Old pruning wounds on trunk and in crown	Remove to open up garden and improve visual aspect of TPOd Oak	Routine - within 12 months	N/A

Tree No	Species	Age Class	Height (m)	Trunk Diameter (mm)	Crown Spread (m)	Overall Condition	Defects and other Relevant Comments	Recommended Works	Priority (months)	Recommended Re-inspection Interval
4	Pedunculate Oak *Quercus robur*	Mature	15-20	>600	10-15	Good	Ivy on trunk and in crown Epicormics on trunk and in crown Crown shape distorted due to group pressure Weighted North-East Minor deadwood in crown Survey limited by Group 1 and access as tree is growing on boundary Old pruning wounds on trunk and in crown	Sever and remove 1.8m section of ivy	Necessary - within 3 months	3 years
5 **TPO No. 695**	Pedunculate Oak *Quercus robur*	Early-mature	15-20	>600	15-20	Good	Ivy on trunk Two low lateral branches that grow in a South-west direction dominate the garden Epicormics on trunk Crown shape distorted due to group pressure Minor deadwood in crown Old pruning wounds on trunk and in crown	Remove two long low laterals Sever and remove 1.8m section of ivy	Routine - within 12 months	3 years
6 **TPO No. 695**	Pedunculate Oak *Quercus robur*	Mature	>20	>600	10-15	Good	Epicormics on trunk and in crown Bifurcated at 7m above ground level Crown shape distorted due to group pressure Old pruning wounds on trunk and in crown Minor deadwood in crown Major deadwood in crown	Remove deadwood	Necessary - within 3 months	3 years
7	Pedunculate Oak *Quercus robur*	Semi-mature	10-15	300-450	5-10	Fair	Crown shape distorted due to group pressure Weighted West Ivy on trunk and in crown Epicormics on trunk and in crown Old pruning wounds on trunk and in crown Sparse canopy with low crown density Major deadwood in crown and numerous amounts of tip dieback	Remove young conifer at base Sever and remove 1.8m of ivy Remove major deadwood and clean out crown	Necessary - within 3 months	1 year
8 **TPO No. 477**	Purple Beech *Fagus sylvatica'Purpurea*	Mature	15-20	>600	>20	Good	Crown shape distorted due to group pressure Low hanging branches Old pruning wounds on trunk and in crown Weighted North	Crown lift to 5m ground clearance over garden and prune branches to provide 2m separation from property removing branches no larger than 100mm	Necessary - within 3 months	3 years
9	Purple Beech *Fagus sylvatica'Purpurea*	Semi-mature	15-20	300-450	5-10	Fair	Growing in close proximity to T10 Trunk and crown shape distorted due to group pressure Ivy on trunk and in crown Tall and etiolated due to group pressure	Remove to improve visual aspect of T8 and T10	Routine - within 12 months	N/A

Tree No	Species	Age Class	Height (m)	Trunk Diameter (mm)	Crown Spread (m)	Overall Condition	Defects and other Relevant Comments	Recommended Works	Priority (months)	Recommended Re-inspection Interval
10	Blue Cedar *Cedrus atlantica 'Glauca'*	Early-mature	>20	>600	15-20	Good	Ivy on trunk and in crown Major deadwood in crown Old pruning wounds on trunk and in crown	Sever and remove 1.8m section of ivy Remove major deadwood	Important - within 6 months	3 years
11	Douglas Fir *Pseudotsuga menziesii*	Semi-mature	15-20	150-0300	<5	Fair	Tall and etiolated due to group pressure Ivy on trunk Minor deadwood and stubs on trunk	Remove to improve aspect of T10	Routine - within 12 months	N/A
12	Pine *Pinus spp*	Early-mature	15-20	>600	15-20	Fair	Mechanical damage to surface roots Drive to South Crown shape distorted due to group pressure Old pruning wounds on trunk and in crown Lowest lateral on southern side snapped out Minor deadwood and stubs Ivy on trunk	Crown lift to balance lower canopy by removing lowest eight branches	Important - within 6 months	3 years
13	Pine *Pinus spp*	Mature	15-20	450-600	15-20	Fair	Mechanical damage to surface roots Drive to South Crown shape distorted due to group pressure Bifurcated at 8m above ground level Major deadwood and stubs	Remove deadwood and stubs Remove limb growing northwards at approximately 6m above ground level	Important - within 6 months	3 years
14	Common Lime *Tilia x europaea*	Mature	>20	>600	10-15	Good	Leans and weighted North Crown shape distorted due to group pressure Minor deadwood in crown Tight forks with included bark Epicormics in crown	Remove lowest lateral on North side of trunk	Necessary - within 3 months	3 years
15	Monterey Cypress *Cupressus macrocarpa*	Early-mature	15-20	450-600	5-10	Fair	Tall and etiolated due to group pressure Ivy on trunk Crown shape distorted due to group pressure Minor deadwood in crown	Sever and remove 1.8m section of ivy	Important - within 6 months	3 years
16	Spruce *Picea spp*	Young	5-10	<150	<5	Poor	Tall and etiolated due to group pressure Poor quality tree Of limited value Growing under canopy of T12	Remove	Routine - within 12 months	N/A
17	Douglas Fir *Pseudotsuga menziesii*	Early-mature	15-20	450-600	5-10	Poor	*Phaeolus* fungus fruiting body at base	Remove	Necessary - within 3 months	N/A
18	Common Ash *Fraxinus excelsior*	Young	10-15	150-300	5-10	Fair	Bifurcated at ground level Natural regeneration Growing on edge of canopy of T10 Crown shape distorted due to group pressure	Remove to benefit and improve visual aspect of T10	Routine - within 12 months	N/A
19	Weeping Willow *Salix x chrysocoma*	Semi-mature	5-10	300-450	<5	Poor	Heavily distorted trunk Previously pollarded Overhangs drive	Remove to provide clear vehicular access	Routine - within 12 months	N/A

Tree No	Species	Age Class	Height (m)	Trunk Diameter (mm)	Crown Spread (m)	Overall Condition	Defects and other Relevant Comments	Recommended Works	Priority (months)	Recommended Re-inspection Interval
Grp 1	Lawson Cypress	Young	5-10	<150	<5	Fair	Short linear group planted along boundary Unmaintained as hedge	Consider removing or reduce and maintain as hedge	Routine - within 12 months	3 years if retained
Grp 2	Purple Leaved Plum Magnolia Hazel Yew Pedunculate Oak Sycamore Bay Laurel	Semi-mature	5-10	<150	<5	Good	Shrub border with regeneration of Sycamore and Oak	Remove Oak and Sycamore to benefit T8 and T10	Routine - within 12 months	3 years



CBA Trees Russell House, Unit 20 Chalcroft Business Park Burnetts Lane, West End Southampton SO30 2PA Tel: 023 8098 6229	**Drawing Title:** Tree Location Sketch Plan Skylark, Salterns Lane Bursledon SO31 3DH	**Job No:** CBA10260	**Client:** **Bronwyn Curtis**		**Orientation:** N ↑
		Drawing No: CBA10260.01HD	**Date:** 16th June 2014	**Scale:** Not to scale	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COMPANY PROFILE, QUALIFICATIONS AND EXPERIENCE

CBA Trees, one of the leading professional arboricultural consultancy practices in the UK is based in Southampton. There are currently three consultants working from our Hampshire office, all of varying expertise and qualifications.

The team is headed by **Colin Bashford** *MBE M.Arb., ex F.Arbor.A, MAE* who, with over 45 years in the profession, is considered to be one of the most eminent professionals in this field and is a past Registered Consultant of the Arboricultural Association, a Law Society approved Expert Witness and a member of the Academy of Experts.

Colin has worked on private estates; for Local and Central Government where in the latter he advised up to Ministerial level for government bodies, agencies and departments, as well as acting as the Inspecting Officer on Appeals, or Technical Assessor at Public Local Inquiries.

In 1990, Colin retired from public service and formed a sole practitioner company; this has since blossomed into a thriving Practice which was formally incorporated in 1993.

His expertise leads Colin to act as an expert witness on behalf of well-known household names. A listing of some of the clients of CBA Trees can be found on pages 3 and 4 of this document.

Colin is a past Chairman of the Board of Governors for Merrist Wood College in Guildford, and has served for many years on the Board of Directors of the International Society of Arboriculture (ISA) and that of ISA Europe Ltd. He was President of ISA for the period 2011-2013 and is now currently the immediate past President.

Stefan Rose BSc(Hons), TechCert (Arbor A), joined CBA Trees in 1998 as a junior surveyor/arborist, and he has gained experience in almost every field of our work, under guidance and supervision of the senior consultants. Stefan holds the Arboricultural Association Technician's Certificate, and now as a Senior Consultant, he takes instructions from his own expanding client base, as well as assisting our Principal Consultant on prestigious casework. Stefan continues his studies towards the Professional Diploma in Arboriculture and maintains a supervisory role with our young surveyors and trainees.

James Fuller FdSc.Arb, BTEC Nat.Dip Arb, TechArbor.A, joined CBA as a student placement during 2007 and has worked continuously since that time. Having successfully completed his Foundation Degree Studies at Sparsholt College, James became a full-time surveyor/trainee consultant during Summer 2009, and now as an Arboricultural Senior Consultant he undertakes large amenity and Health & Safety audits, British Standard Surveys and provides advice in line with BS5837:2012, liaison with local authority planning and tree officers, site monitoring, provision of advice to prominent development companies and preparation of Implications Assessments and Method Statements his for ever expanding client base. As part of his professional development, James attained the Professional Tree Inspector's Certificate in November 2011.

Alex Monk TechCert (Arbor A), NCH Arb, has had many years of experience as an independent tree surgeon/surveyor, running his own business in Hampshire. He holds the National Certificate in Arboriculture, and the Arboricultural Association Technician's Certificate. Alex came to CBA Trees in May 2004 as a trainee surveyor/consultant, soon became a reliable and trusted member of staff, and is now a Consultant with his own extensive client base.

All consultants are trained in the use of 'state of the art' decay detection equipment, and other professional tools.

Listed below are some of the services we provide:

- Arboricultural Consultancy
- Arboricultural Impact Studies & Method Statements
- Trees in Conservation Areas
- Advice on Veteran Trees and Ancient Woodlands
- Expert Witness at PLI, and Court Work
- Arboricultural/Landscape Design
- PLI, Expert Witness and Court Work/Litigation
- Tree Survey Work (street trees, development projects, individual private sites)
- Tree Preservation Order Advice
- Tree Inspections and Hazard Risk Assessments
- Woodland Creation, Maintenance & Management
- Health & Safety issues – Inspections on behalf H&SE
- Arboricultural site and project management

CBA Trees is very proud of its client base that includes the following companies:

Developers – Commercial and Residential

Bryant Homes Ltd
Abbeymill Homes Ltd
Alfred McAlpine Limited
Bellway Homes Ltd
Berkeley Homes Ltd
Bewley Homes
Bloor Homes
Bouygues UK
Bovis Homes Limited
Countryside Properties
Crayfern Homes
Crest Strategic Properties
David Wilson Developments Ltd
Fairview New Homes plc
Great Sutton Homes
Highwood Construction
Imperial Elite Construction
Laing/Gladedale Ltd
Linden Homes
Morgan Sindall
Rydon Construction
Taylor Wimpey
Thomas Homes
Wates Construction
Wates Development

Design & Legal

Barton Willmore Partnership
Terra firma Consultancy
Boyer Planning Associates
Acanthus, Lawrence & Wrightson
Cunningham Ellis & Buckle
Penningtons
Tucker Parry Knowles Partnership
Derek Lovejoy Partnership
David Huskisson Associates
Acanthus Ferguson Mann
Masons
RPS Planning, Transport & Environment
Town Planning Consultancy
MacGregor Smith
Lester Aldridge
Denton Hall
Bond Pearce
McKennas

Education

Brighton and Hove Sixth Form College
Cognita Schools
Hillyfield Primary Academy
Richard Taunton College
Royal Holloway University of London
St Osmunds Primary School
United Church Schools
University College Oxford
University of Portsmouth

Local Authorities & Government Bodies

Ampfield Parish Council
Basingstoke Borough Council
Catalyst Housing
Circle Housing Group
Eastleigh Borough Council
Hampshire County Council
Highways Agency
Lambeth and Southwark Housing
London Borough of Bexley
London Borough of Camden
NHS Property Services
Poole Borough Council
Portsmouth City Council
Raglan Housing
Reigate and Banstead Council
Royal Borough of Kensington & Chelsea
Royal Borough of Kingston
Ruscombe and Twyford LEP
Rushmoor Borough Council
Southampton City Council
Test Valley Borough Council
The Hyde Group
Transport for London
West Sussex County Council
West Wittering Parish Council

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For further information, visit our web site at www.cbatrees.com which gives more detail of our expertise, and of course, our staff are always willing to help answer any queries you may have.