CBA Trees

The Complete Professional Arboricultural Consultancy

MEMBER
Company No. 2945721

VAT No. 566 4482 12

REGISTRATION NUMBER 180695

September 2011
CBA7721

Mrs Ancell

TREE SURVEY REPORT

21 Meadowsweet
Cowplain
Waterlooville

CBA Trees, Apex House, Apex Centre, Church Lane, Colden Common, Winchester, Hampshire, SO21 1TN.
Tel: 01962 715407 (3 Lines) Fax: 01962 711419 Email: info@cbatrees.co.uk Web: www.cbatrees.com

TREE SURVEY NOTES

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2005 and current good arboricultural practice.

- Each tree has been numbered and, where instructed, for future identification on site, has been tagged using small durable metal or plastic tags.
- Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres. Accurate heights, measured with the aid of optical instruments can be provided where instructed.
- Trunk/stem diameters are measured in mm at 1.5 metres above ground level, or immediately above the root flare for multi-stemmed trees, using a standard measuring tape as defined by British Standards, unless otherwise stated.
- Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of the crown shape which will be recorded on the tree survey plan.
- An assessment of a tree's age classification is made in terms of its maturity within the site's landscape and defined as:

Y	**=**	**young trees**
MA	**=**	**middle aged trees**
M	**=**	**mature trees**
OM	**=**	**over-mature trees**
V	**=**	**veteran**

- An assessment of a tree's physiological condition is defined as:

Good	**=**	**fully functioning biological system showing average vitality i.e. normal bud growth, leaf size, crown density and wound closure**
Fair	**=**	**fully functioning biological system showing below average vitality i.e. reduced bud growth, smaller leaf size, lower crown density and reduced wound closure**
Poor	**=**	**a biological system with limited functionality showing significantly below average vitality i.e. limited bud growth, small and chlorotic leaves, low crown density and limited wound closure**
Dead	**=**	**dead**

- An assessment of a tree's structural condition is defined as:

  Good = no significant structural defects
  Fair = structural defects which could be alleviated through remedial tree surgery or management practices
  Poor = structural defects which cannot be alleviated through tree surgery or management practices
  Dead = dead

- An assessment of a tree's future life expectancy is defined as: **<10, 10-20, 20-40 or >40 years.**

Categorisation of Trees

The category for each tree is assessed using the recommendations of BS5837:2005. The assessment has not considered any site-specific development proposals, but will have considered any changes on or off-site which may have an effect on the conditions surrounding the surveyed trees.

The trees have been classified into one of the following categories (and one or more sub-categories [this will however not increase the value of the tree]) and are indicated on the associated drawings by colours as indicated.

Category R	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
Trees in such a condition that any value would be lost within 10 years or should be removed for reasons of sound arboricultural management				**DARK RED**
Category A				
Trees of high quality and value: in such a condition as to make a substantial contribution (40 years or more is recommended)	Trees that are a particularly good example of their species, rare or unusual, essential components of groups or of formal or semi-formal features.	Trees, groups or woodlands providing definite screening of views in and out of the site, or softening effect to the locality, or those of particular visual importance.	Trees, groups or woodlands of significant conservation, historical or other value (e.g. veteran or wood-pasture)	**LIGHT GREEN**

Category B				
Trees of moderate quality and value, capable of making a significant contribution for in excess of 20 years.	Trees which might be included in the A category, but are downgraded due to impaired conditions/remediable defects.	Trees in numbers, that collectively form a distinct landscape feature but are not individually an essential component of a formal or semi-formal feature. These are likely to be trees situated mainly within the site with little visual impact on the surrounding locality.	Trees with clearly identifiable conservation or other cultural benefits.	**MID BLUE**
Category C				
Trees of low quality and value which might remain for a minimum of 10 years or young tress with stems of less than 150mm diameter.	Trees not qualifying in higher categories	Trees in groups or woodlands without having significant landscape value or offering low or temporary screening value	Trees with very limited conservation or other cultural benefits	**GREY**

Clients are advised that Tree Surveys are a basic data collection exercise and record of tree condition at the time of survey. It will identify any visible signs of ill-health or major defects, advising a further detailed investigation where appropriate. This will most often take the form of a request for either "*full ground level inspection"* or "*climbing inspection required".* There may also be a further reference to the need for "*decay detection equipment"* to aid diagnosis. A tree survey does not include a comprehensive schedule or specification of remedial tree works, but may contain a guide to the work which might be undertaken by a prudent tree owner, purely for reasons of health and safety.

A Tree Survey should not be confused with a Tree Inspection or Arboricultural Implication Assessment, which are totally separate exercises.

TREE SURVEY SCHEDULE

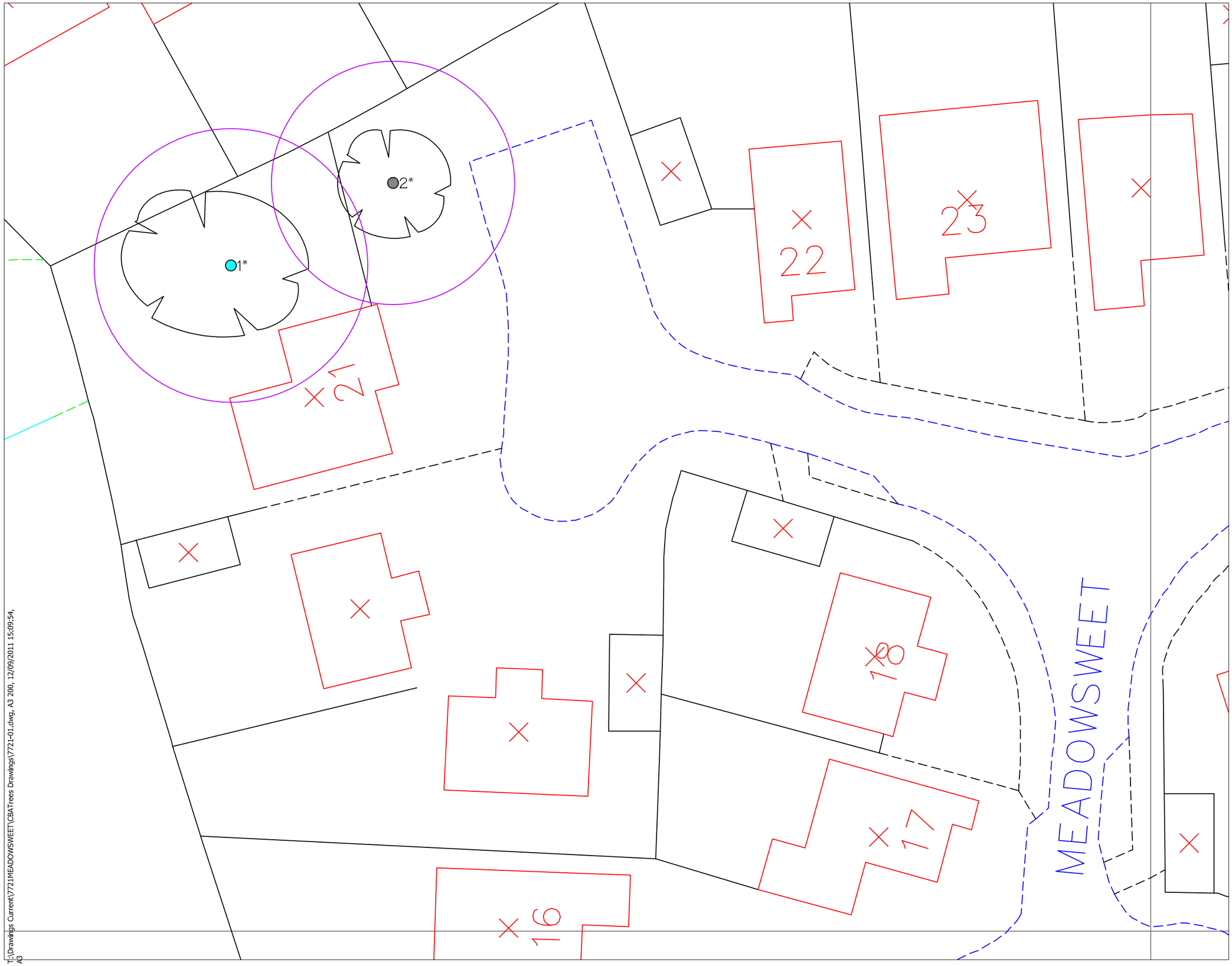
Client:	Mrs Ancell	**Site:**	21 Meadowsweet, Cowplain, Waterlooville
Date:	7 September 2011	**Consultant:**	Marco Bartolini *TechCert (Arbor A), MIEEM*
Tagged:	No	**Weather:**	Sunny spells, windy

Notes:-

1. It may be advised that some trees should have the ivy removed to enable a re-survey to be carried out. This would also alleviate the tree from becoming suppressed; carrying additional weight that increases the chance of windthrow due to a larger dense crown area; and only receiving restricted light. Unless otherwise stated, in order to prevent regrowth, it is only necessary to remove a 300mm section of ivy and clear around the base.
2. It may be advised that it was only possible to estimate the diameter of some trees because of ivy smothering, dense vegetation, or trees located off-site with no access.
3. The estimated remaining contribution in years, and the tree grading category have been calculated for the current situation and may alter where further investigation works are advised.
4. Some trees or groups may have been given an interim grade. The reason for the interim grading is addressed in the timescales given as this may have a bearing on health and safety and/or any development proposals.
5. Tree Groups have been assessed with estimated and representative data.
6. This is not a Tree Works Schedule. Any preliminary management recommendations are listed in the interests of health and safety and should be carried out by a prudent tree owner.
7. Any management recommendations are suggested for reasons of health and safety only, regardless of development proposals at this stage. However, the defects requiring remedial tree surgery are by their very nature potential wildlife habitats, including protected species which needs consideration prior to any tree surgery works commencing.

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m) N	E	S	W	H't of Crown AGL (m) N	E	S	W	Age	Physio-logical Condition	Structural Condition and Relevant Comments	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
1	Pedunculate Oak *Quercus robur*	12	S	630	4.0	4.0	4.0	6.0	4.0	4.0	4.0	4.0	M	Good	Previously crown reduced 30% in 2009 Bifurcated at 2.5m above ground level Old pruning wounds occluded and occluding Bird box at 3m on trunk to South	None required at time of survey	>40	B1

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Branch Spread (m) N	E	S	W	H't of Crown AGL (m) N	E	S	W	Age	Physio-logical Condition	Structural Condition and Relevant Comments	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
2	Pedunculate Oak *Quercus robur*	12	S	560	3.0	3.0	3.0	3.0	5.0	7.0	4.0	5.0	M	Poor	Sheds and building on rootplate Previously crown reduced 30% in 2010 Low crown density Bifurcated at 4m above ground level Trunk leans to North Bottle butt at base 4cm cavity from 10-20cm above ground level to East Branch tearout wound at 6m to North Barb wire fence occluded in trunk at 0.3m and 0.5m above ground level	Full ground level invetigation with Picus decay detection equipment at 0.1m and 0.3m above ground level	10-20	C1 Interim



indicative

NOTE
Trees are indicatively plotted only and should be verified by Land Surveyor.

KEY
- category A trees
- category B trees
- category C trees
- category R trees
- Root Protection Area (RPA) shown as a circle.

CLIENT
Mrs Ancell

JOB TITLE
21 Meadowsweet
Cowplain
Waterlooville

DRAWING TITLE
Tree Survey Plan

DRAWING No.
CBA 7721.01

SCALE
1:200@A3

DRAWN
lg

DATE
Sept 2011

THIS DRAWING IS COPYRIGHT OF CBA LTD. AND SHOULD NOT BE REPRODUCED WITHOUT PERMISSION. ALL DIMENSIONS MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING.

REG NO 180695
CBA Trees.
CBA Trees, Apex House, Apex Centre, Church Lane, Colden Common, Winchester, Hampshire, SO21 1TN.
Tel: 01962 715407 Fax 01962 711419

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CB1

TREE ROOT PROTECTION AREA SCHEDULE

Client:	Mrs Ancell	**Site:**	21 Meadowsweet, Cowplain, Waterlooville
Date:	7 September 2011	**Consultant:**	Marco Bartolini *TechCert (Arbor A), MIEEM*

Notes:
1. This is an assessment of the Root Protection Area (RPA) required, based on the individual tree data collected and Table 2 of BS5837:2005.
2. At this juncture this document is for your sole guidance and ongoing discussions purposes only and is not intended for general circulation, as it assumes that all but the 'R' trees will be retained, which clearly may not be the case.
3. For all single stem trees with a stem diameter greater than 1250mm, and multi-stem trees with a stem diameter greater than 1500mm, the calculated RPA has been capped at 707m2 in accordance with Section 5.2.3 of BS5837:2005.

Tree No	Species	Category	Single/ Multi-Stemmed (S or MS)	Stem Diameter (mm)	Initial Linear Root Protection Distance (Radius m)	Root Protection Area (m2)
1	Pedunculate Oak	B1	S	630	7.56	179.58
2	Pedunculate Oak	C1 Interim	S	560	6.72	141.89


CB2

COMPANY PROFILE, QUALIFICATIONS AND EXPERIENCE

CBA Trees, one of the leading professional arboricultural consultancy practices in the UK is based in Colden Common, Hampshire. There are currently four consultants working from our Hampshire office, all of varying expertise and qualifications, with another consultant working from Monmouth.

The team is headed by **Colin Bashford** *MBE M.Arb., 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 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 and that of ISA Europe Ltd. He is currently a President Elect of the International Society of Arboriculture.

Stefan Rose 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.

Dominic Gane joined CBA in February 2011 as a Senior Consultant having gained many years experience in arboriculture whilst employed as a Tree & Landscape Officer with North Dorset District Council and Arboricultural Officer with Dorset County Council. He holds a BSc(Hons) Arb, BSc (Hons) Env Biol, Cert.Arb (RFS), M Arbor A, MIEEM, and has been trained by the respective authors to conduct Helliwel Visual Amenity Tree Valuation and Capital Asset Value for Amenity Trees (CAVAT) tree valuations. He also holds the LANTRA Professional Tree Inspection Certificate, and is a qualified tree climber. He has so far worked on large and complex development sites and provides expert advice and report.

Alex Monk 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.

James Fuller joined CBA as a student placement during 2007 and has worked continuously since that time, recently successfully completed his Foundation Degree Studies at Sparsholt College. James became a full-time surveyor/trainee consultant with the Practice during Summer 2009, and now as an Arboricultural Consultant/Senior Surveyor he undertakes large amenity and Health & Safety audits, British Standard Surveys and provides advice in accord with BS5837:2005 for his growing client base.

Marco Bartolini, Marco joined CBA Trees as a Consulting Arborist in May 2011, following a long and exemplary career in the Armed Forces. He recently attained the AA.Tech.Cert and acts as Warden for a nature reserve managed by the Wildlife Trust, and is a volunteer at the Westonbirt Arboretum and the Hillier Gardens and Arboretum. Marco is currently working on BS5837:2005 projects and health and safety survey, beginning to follow small projects through to completion

Bettina Broadway-Mann works for CBA from her office in Monmouth as a consultant on a part-time basis and as required. Bettina is qualified to Dip.Arb (RFS), and with her extensive experience and knowledge advises on a wide spectrum of arboricultural projects.

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

We also offer support to students studying and training in the field of arboriculture, and currently have an arboricultural degree student from Sparsholt College, Winchester.

CBA Trees has its own Graphics Department with the latest 'state of the art' software which, along with the most up to date computer equipment, colour copier and scanning facilities, and two AO colour plotters, enables us to compile expertly produced reports and presentations for our clients. This coupled with the qualifications and experience of our consultancy staff, and the expertise of the office-based personnel, enables CBA Trees to be The Complete Arboricultural Consultancy.

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:

Residential Developers

Bryant Homes (Southern) Ltd
Bryant Homes (Weald) Ltd
Wimpey Construction
Alfred McAlpine Limited
McLean Homes (South-West) Ltd
Bovis Homes Limited
Fairview New Homes plc
Beazer Homes plc
Berkeley Homes Ltd
Edward Ware Homes
Bryant Homes (South-West) Ltd
Beechwood Homes Ltd
Taywood Homes Ltd
Heron Homes/Development Ltd
Charles Church Homes
Premier Properties Limited
Persimmon Homes Ltd
Fairclough Homes Ltd
Countryside Properties
David Wilson Developments Ltd

Retail Properties/Parks

CRS Home World Limited
Allied Breweries
John Lewis Partnership
Greene King plc
Tesco Stores Ltd
North Oxfordshire Consortium
J Sainsbury plc
Lidl GmbH UK Ltd

Business Parks

Arlington
Brixton plc
Slough Estates Ltd

Leisure

Haven Europe
BskyB
Brands Hatch Leisure Group Ltd
Royal London Parks
Siblu Holidays
Oasis Projects

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

Local Authorities & Government Bodies

Royal Borough of Kensington & Chelsea
Surrey Heath Borough Council
Borough of Bexley
Highways Agency
Department of Transport
Test Valley Borough Council
Rushmoor Borough Council
West Sussex County Council
Interserve Defence Services
Basingstoke Borough Council
Southampton City Council
Aspire Defence
Royal Borough of Kingston
Poole Borough Council
Hampshire County Council
Elmbridge Borough Council
Ministry of Defence

Administration Services

Our professional service to clients, which was recently awarded ISO9001 accreditation, could not be achieved without a committed office based staff, headed up by Anne Phillips, Operations Director. We pride ourselves in having recruited an excellent team which provides a prompt and courteous response to our clients.

In an effort to make this task easier, our administration staff are provided with:

- Internet and email access for all users
- Up to date computer hardware with state of the art word processing packages capable of reading and transferring data by network and email
- Spacious and modern offices
- An extensive library of technical books and information literature
- Modern telephone system and ASDL Broadband for fast delivery of data, unlimited volume.

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(Tel: 01962 715407) (email: info@cbatrees.co.uk)

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.