CBA Trees

The Complete Professional Arboricultural Consultancy

MEMBER
Company No. 2945721

VAT No. 566 4482 12

REGISTRATION NUMBER 180695

January 2009
CBA7245

WSP Environmental & Energy

TREE SURVEY REPORT

Worthing Hospital
Lyndhurst Road
Worthing
West Sussex

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:	WSP Environmental & Energy	**Site:**	Worthing Hospital, Lyndhurst Road, Worthing, West Sussex
Date:	12th and 16th January 2009	**Consultant:**	Richard Harris *HND Forestry*
Tagged:	No	**Weather:**	Overcast

Notes:-
1. 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.
2. 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.
3. Tree Groups have been assessed with estimated and representative data.
4. 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.
5. 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	Silver Birch *Betula pendula*	6	S	90	1.5	1.5	1.5	1.0	1.5	1.5	1.5	1.5	Y	Good	Good Developing tree	None required at time of survey	>40	C1
2	London Plane *Platanus x hispanica*	7	S	240	5.0	4.0	5.0	4.0	3.0	3.0	3.0	3.0	Y	Good	Good Trifurcated at 3m above ground level and previously pollarded at 4m above ground level Old pruning wounds in crown	None required at time of survey	>40	B1
3	London Plane *Platanus x hispanica*	6	S	220	5.0	4.0	5.0	3.0	3.0	3.0	4.0	3.0	Y	Good	Good Trifurcated at 3m above ground level and previously pollarded at 4m above ground level Old pruning wounds in crown	None required at time of survey	>40	B1
4	Silver Birch *Betula pendula*	7	S	120	2.0	2.0	2.0	1.0	1.5	1.5	1.5	1.5	Y	Good	Good Developing tree Good shape and form	None required at time of survey	>40	C1

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
5	Common Sycamore *Acer pseudoplatanus*	9	MS	390	3.5	3.5	4.0	4.0	2.0	2.0	2.5	3.0	Y	Good	Good Multi-stemmed at 1.5m above ground level Grows around BT pole and through lines Previously crown reduced at 5m above ground level	None required at time of survey	>40	B1
6	Common Ash *Fraxinus excelsior*	8	MS	515	5.0	5.0	5.0	5.0	4.0	3.0	2.0	2.0	Y	Fair	Fair Bifurcated at ground level Tight forks with included bark Bark crack on stem to South Dieback in stem to South Minor deadwood in crown	None required at time of survey	10-20	C1
7	Common Yew *Taxus baccata*	8	MS	540	2.0	4.0	4.0	3.0	4.0	3.0	4.0	3.0	MA	Good	Good Off-site tree Trifurcated at 1m above ground level Crown shape distorted due to group pressure Ivy on trunk	None required at time of survey	>40	B1
8	Common Lime *Tilia x europaea*	10	S	230	4.0	3.0	4.0	3.0	3.0	2.0	2.0	3.0	Y	Good	Good Off-site tree Crown shape distorted due to group pressure Crossing branches Tight forks with included bark Lower branches to East and South side over footpath reduced Bifurcated at 2.5m above ground level	None required at time of survey	>40	B1
9	Common Sycamore *Acer pseudoplatanus*	13	S	370	6.0	6.0	6.0	3.0	2.0	3.0	2.0	3.0	MA	Good	Good Off-site tree Trifurcated at 2m above ground level Crown shape distorted due to group pressure Minor deadwood in crown	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
10	Common Ash *Fraxinus excelsior*	13	MS	800	5.0	3.5	5.0	6.0	4.0	11.0	3.0	3.0	MA	Good	Good Off-site tree Trifurcated at ground level Ivy on trunk Crown shape distorted due to group pressure Tight forks with included bark Grows at foot of bank to South	None required at time of survey	20-40	C1
11	Fastigiate Hornbeam *Carpinus betulus 'Pyramidalis'*	14	S	320	3.5	5.0	5.0	3.0	3.0	3.0	2.0	3.0	MA	Good	Good Off-site tree Footpath to West at 0.2m Multi-stemmed at 2m above ground level Obscures street light to South at 4m	None required at time of survey	20-40	B1
12	Common Sycamore *Acer pseudoplatanus*	14	S	260	5.0	3.0	4.0	1.0	3.0	3.0	4.0	2.0	Y	Good	Good Off-site tree Crown shape distorted due to group pressure	None required at time of survey	20-40	C1
13	Silver Maple *Acer saccharinum*	14	S	390	7.0	5.0	4.0	5.0	4.0	3.0	10.0	2.0	MA	Good	Good Off-site tree Crown shape distorted due to group pressure Bark crack on trunk Basal suckers Crown weighted North	None required at time of survey	>40	C1
14	Silver Birch *Betula pendula*	6	S	220	2.0	4.0	4.0	4.0	2.0	2.5	4.0	2.5	MA	Fair	Fair Growing on bank Overhangs footpath Poorly crown lifted over footpath Crown shape distorted due to group pressure Poor shape and form	None required at time of survey	10-20	C1

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
15	Scots Pine *Pinus sylvestris*	10	S	260	1.5	3.0	3.5	3.0	3.0	3.0	2.0	1.5	Y	Fair	Fair Crown shape distorted due to group pressure Low crown density Low branches reduced and dead Signs of stress	None required at time of survey	10-20	C1
16	Common Yew *Taxus baccata*	6	MS	470	3.5	3.5	3.5	3.5	2.0	2.0	2.0	2.0	Y	Good	Good Grows adjacent to footpath Bifurcated at 1m above ground level Tight forks with included bark Previously crown lifted to 2m above ground level Obscures road sign BT line above crown	Prune clear of road sign within 3 months	>40	B1
17	Common Lime *Tilia x europaea*	12	S	500	5.0	3.0	5.0	5.0	5.0	6.0	6.0	6.0	MA	Good	Fair Off-site tree Highway tree Restricted root zone Epicormics on trunk Previously pollarded at 6m above ground level Previously crown lifted to 6m above ground level Part of avenue	None required at time of survey	>40	B1+2
18	Common Lime *Tilia x europaea*	13	S	540 taken at 1m above ground level	6.0	5.0	4.0	4.0	6.0	6.0	6.0	6.0	MA	Good	Good Off-site tree Highway tree Restricted root zone Epicormics on trunk Previously pollarded at 6m above ground level Previously crown lifted to 6m above ground level Part of avenue	None required at time of survey	>40	B1+2

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
19	Common Lime *Tilia x europaea*	13	S	470	4.0	5.0	4.0	3.5	6.0	6.0	6.0	6.0	MA	Good	Good Off-site tree Highway tree Restricted root zone Epicormics on trunk Bifurcated at 4m above ground level Previously pollarded at 6m above ground level Old pruning wounds on trunk	None required at time of survey	>40	B1+2
20	Rowan *Sorbus aucuparia*	4	S	Est 100	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	Y	Good	Good Developing tree Grows through dense crowns	None required at time of survey	>40	C1
21	Flowering Cherry *Prunus spp*	4	S	150	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	Y	Good	Good Ornamental tree planted in shrub border along frontage Multi-stemmed at 2m above ground level Part of linear group	None required at time of survey	>40	C1+2
22	Flowering Cherry *Prunus spp*	5	S	150	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	Y	Good	Good Ornamental tree planted in shrub border along frontage Multi-stemmed at 2m above ground level Part of linear group	None required at time of survey	>40	C1+2
23	Flowering Cherry *Prunus spp*	5	MS	160	3.0	2.0	2.5	2.0	2.0	2.0	2.0	2.0	Y	Good	Good Multi-stemmed at 1.2m above ground level Ornamental tree planted in shrub border along frontage Bark wound on trunk Tight forks with included bark	None required at time of survey	>40	C1+2

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
24	Flowering Cherry *Prunus spp*	5	S	170	2.0	2.5	2.0	3.0	2.0	2.0	2.0	2.0	Y	Good	Good Multi-stemmed at 1.2m above ground level Ornamental tree planted in shrub border along frontage Bark wound on trunk Tight forks with included bark Ivy on trunk	None required at time of survey	>40	C1+2
25	Rowan *Sorbus aucuparia*	5	S	100	2.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0	Y	Good	Good Developing tree Low hanging branches Crown beginning to lean to East	None required at time of survey	>40	C1
26	Pine *Pinus spp*	6	S	190	2.0	2.0	2.0	2.0	0.5	0.5	0.5	0.5	Y	Good	Good Developing tree Good shape and form	None required at time of survey	20-40	B1
27	London Plane *Platanus x hispanica*	6	S	190	3.0	3.0	4.0	3.5	2.0	2.0	1.5	2.0	Y	Good	Good Grows in small gravel covered bed Low hanging branches over car park damaged by vehicles Bark wounds and tears Tight fork in crown split Will require formative prune Hanging branches	Crown lift over car park within 3 months	>40	C1
28	Common Lime *Tilia x europaea*	12	S	580	5.0	6.0	6.0	4.0	5.0	4.0	5.0	6.0	M	Good	Good Off-site tree Highway tree Restricted root zone Damaging kerb and footpath Basal suckers Epicormics on trunk Bifurcated a 4m above ground level Previously pollarded at 7m above ground level Old pruning wounds on trunk	None required at time of survey	>40	B1+2

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
29	Common Sycamore *Acer pseudoplatanus*	9	MS	600	6.0	6.0	3.0	5.0	2.0	3.0	3.0	3.0	MA	Good	Fair Bifurcated at 1m above ground level Tight forks with included bark Old pruning wound on trunk Crown shape distorted due to group pressure	None required at time of survey	>40	C1
30	Bay *Laurus spp*	3	MS	320	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	MA	Good	Good Multi-stemmed at ground level Under-storey to T29 and T31 Provides winter amenity	None required at time of survey	20-40	C1
31	Common Yew *Taxus baccata*	8	S	540	5.0	5.0	2.0	2.0	3.0	1.0	1.0	1.0	MA	Good	Good Lower branches trimmed over footpath and driveway Crown shape distorted due to group pressure Local amenity value Bifurcated at 2m above ground level	None required at time of survey	>40	B1+2
32	Common Sycamore *Acer pseudoplatanus*	11	S	380	6.0	6.0	3.0	5.0	4.0	4.0	4.0	3.0	MA	Good	Fair Root growth affected by pavement to East Previously crown lifted to 4m above ground level Old pruning wounds on trunk Previously pollarded at 5m above ground level Poor shape and form Good amenity value Bark wound at base between buttress roots	None required at time of survey	10-20	C1
33	Spindle Tree *Euonymus europaeus*	3	MS	340	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	MA	Good	Good Dense bushy shrub Multi-stemmed at ground level	None required at time of survey	20-40	C1

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
34	Common Sycamore *Acer pseudoplatanus*	12	MS	305	1.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	Y	Fair	Fair Suppressed and stunted Bifurcated at 1m above ground level Tight forks with included bark Two stems twist around each other Crown shape distorted due to group pressure Poor quality tree	None required at time of survey	10-20	C1
35	Monterey Cypress *Cupressus macrocarpa*	14	MS	690	4.0	4.0	4.5	6.0	3.0	3.0	3.0	2.0	M	Good	Fair Multi-stemmed at 1m above ground level Crown shape distorted due to group pressure Exposed surface roots Growing on bank above car park (1m higher) Crown weighted West Tight forks with included bark	None required at time of survey	20-40	C1
36	Bay *Laurus spp*	5	MS	400	0.0	4.0	4.0	0.0	-	2.0	3.0	-	MA	Fair	Fair Multi-stemmed at ground level Suppressed and stunted Crown weighted South-east Poor quality tree	Advise removal within 12 months	<10	R

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
37	Common Lime *Tilia x europaea*	13	S	480	6.0	5.0	6.0	2.0	5.0	5.0	5.0	6.0	MA	Good	Good Off-site tree Highway tree Crown shape distorted due to group pressure Epicormics on trunk Part of avenue Multi-stemmed at 6m above ground level Previously pollarded at 7m above ground level Old pruning wounds on trunk	None required at time of survey	>40	B1+2
38	Holm Oak *Quercus ilex*	17	S	850	7.0	8.0	10.0	10.0	10.0	5.0	4.0	4.0	M	Good	Good Large buttress roots Bifurcated at 3m above ground level Crown weighted South and West Minor deadwood in crown BT line through crown Branches overhang building to West Very high amenity value	None required at time of survey	>40	A1
39	Holm Oak *Quercus ilex*	10	MS	510	4.5	7.0	7.0	3.0	2.0	2.0	2.0	2.0	MA	Good	Good Multi-stemmed at 1m above ground level Tight forks with included bark Old pruning wounds on trunk Previously crown lifted to 2m above ground level Low hanging branches Crown shape distorted due to group pressure	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
40	Rowan *Sorbus aucuparia*	8	MS	345	3.0	1.0	3.0	3.0	2.0	3.0	2.0	2.0	MA	Good	Fair Multi-stemmed at 0.5m above ground level Exposed surface roots Tight forks with included bark Crown shape distorted due to group pressure Crown weighted West	None required at time of survey	10-20	C1
41	Common Lime *Tilia x europaea*	13	S	Est 450	6.0	6.0	7.0	5.0	6.0	6.0	6.0	6.0	MA	Good	Fair Off-site tree Hedge line tree Forms part of avenue Restricted root zone Possible trenching and pavement repairs to West at 1m Epicormics on trunk Multi-stemmed at 4m above ground level Previously pollarded at 6m above ground level Old pruning wounds	None required at time of survey	>40	B1+2
42	Leyland Cypress *X Cuprocyparis leylandii*	2	MS	190	1.0	1.0	1.0	1.0	0.3	0.3	0.3	0.3	Y	Good	Good Ornamental tree pruned to have a cubic crown	None required at time of survey	10-20	C1
43	London Plane *Platanus x hispanica*	6	S	150	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	Y	Good	Good Developing tree Good shape and form	None required at time of survey	>40	C1

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
44	Monterey Cypress *Cupressus macrocarpa*	17	S	1150	11.0	7.0	8.0	12.0	3.0	3.0	4.0	3.0	M	Fair	Fair Grows entirely surrounded by tarmac Old pruning wounds on trunk and in crown Major deadwood in crown Cavity in underside of branch union to West side at 6m above ground level Minor hazard beam formed in inner crown Snapped and hanging branch over footpath Bark wounds and cracks through crown	Aerial inspection of branch union and throughout crown Remove damaged branch within 1 month	20-40	B1+2
45	Irish Yew *Taxus baccata 'Fastigiata'*	5	MS	420	1.5	2.0	1.5	2.0	0.5	0.5	0.5	0.5	M	Good	Good Multi-stemmed at 1m above ground level	None required at time of survey	20-40	C1
46	Common Sycamore *Acer pseudoplatanus*	15	S	690	5.0	6.0	6.0	5.0	6.0	6.0	6.0	6.0	M	Fair	Fair Grows in car park Trifurcated at 4m above ground level Large buttress roots Previously crown lifted to 6m above ground level All three main stems topped at 10m above ground level Signs of decay at old pruning points Limited extension growth High amenity value	None required at time of survey	10-20	C1+2

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
47	Common Beech *Fagus sylvatica*	15	S	670	9.0	6.0	7.0	7.0	2.0	3.0	4.0	4.0	M	Good	Good Footpath immediately to West appears new Possible root damage Exposed surface roots Multi-stemmed at 4m above ground level Minor deadwood in crown Growth appears stunted High amenity value	None required at time of survey	>40	B1+2
48	Common Sycamore *Acer pseudoplatanus*	11	S	400	5.0	5.0	5.0	4.0	3.0	3.0	3.0	3.0	MA	Good	Good Trunk sweeps East at base Multi-stemmed at 1.8m above ground level Crossing branches Branches reduced from building to North Partially obscures sight line to South-east	None required at time of survey	>40	B1+2
49	London Plane *Platanus x hispanica*	12	S	480	5.0	6.0	7.0	4.0	4.0	4.0	4.0	4.0	MA	Good	Good Part of avenue of trees Planted in block paving Managed as pollard to 4m above ground level Crossing branches Re-growth to West side pruned clear of building leaving stubs	None required at time of survey	>40	B1+2
50	London Plane *Platanus x hispanica*	9	S	290	6.0	7.0	5.0	3.0	3.0	2.5	3.0	4.0	Y	Good	Good Part of avenue Planted in block paving Managed as pollard to 4m above ground level Pollard development not as advanced as in other trees Previously crown lifted to 4m over road Branches to West side reduced clear of building	None required at time of survey	>40	B1+2

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
51	London Plane *Platanus x hispanica*	11	S	385	7.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	MA	Good	Good Part of avenue of trees Planted in block paving Managed as pollard to 4m above ground level Crossing branches Re-growth to West side pruned clear of building leaving stubs	None required at time of survey	>40	B1+2
52	London Plane *Platanus x hispanica*	10	S	300	7.0	6.0	6.0	4.0	4.0	3.0	3.0	4.0	Y	Good	Good Trunk sweeps East at base Multi-stemmed at 1.8m above ground level Crossing branches Branches reduced from building to North Partially obscures sight line to South-east	None required at time of survey	>40	B1+2
53	Common Sycamore *Acer pseudoplatanus*	10	S	310	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	Y	Good	Good Bifurcated at 4m above ground level Grows within 0.5m of wall, damaging wall Underground services around base	None required at time of survey	10-20	C1
54	Common Sycamore *Acer pseudoplatanus*	12	S	530	4.5	7.0	5.5	6.0	3.0	3.0	3.0	3.0	MA	Fair	Good Grows in area of grass surrounded by recent footpaths Cavity between buttress roots to South side with possible hollow stem Exposed surface roots and mechanical damage Previously pollarded at 8m above ground level Limited annual extension growth	None required at time of survey	20-40	B1
55	Common Sycamore *Acer pseudoplatanus*	6	S	180	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	Y	Good	Good Developing tree	None required at time of survey	>40	C1

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
56	London Plane *Platanus x hispanica*	6	S	215	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	Y	Good	Fair Trunk leans North-east Surrounded by hard surfaces Developing tree	None required at time of survey	>40	C1
57	Flowering Cherry *Prunus spp*	5	S	Est 100	1.0	1.5	0.5	0.5	3.0	3.0	3.0	3.0	Y	Good	Good Stake and tie present Developing tree Growing in mixed shrub bed	None required at time of survey	20-40	C1
58	Flowering Cherry *Prunus spp*	5	S	Est 100	0.5	0.5	0.5	0.5	2.0	2.0	2.0	2.0	Y	Good	Good Stake and tie present Developing tree Growing in mixed shrub bed	None required at time of survey	20-40	C1
59	Flowering Cherry *Prunus spp*	5	S	100	0.5	0.5	0.5	0.5	3.0	3.0	3.0	3.0	Y	Good	Good Developing tree	None required at time of survey	20-40	C1
60	London Plane *Platanus x hispanica*	12	S	470	6.0	6.0	5.0	4.0	4.0	5.0	4.0	3.0	MA	Good	Good Part of avenue Planted in block paving Multi-stemmed at 3m above ground level Previously pollarded at 6m above ground level Bark wound on trunk Old pruning wounds and stubs	None required at time of survey	>40	B1+2
61	London Plane *Platanus x hispanica*	10	S	390	6.0	5.0	5.0	4.0	5.0	5.0	4.0	4.0	MA	Good	Good Part of avenue Planted in block paving Multi-stemmed at 3m above ground level Previously pollarded at 5m above ground level Fire hydrant to South side at 0.5m	None required at time of survey	>40	B1+2

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
62	London Plane *Platanus x hispanica*	11	S	430	6.0	5.0	4.0	3.0	4.0	5.0	5.0	4.0	MA	Good	Good Part of avenue Planted in block paving Multi-stemmed at 3m above ground level Previously pollarded at 5m above ground level Fire hydrant to South side at 0.5m Epicormics on trunk Old pruning wounds	None required at time of survey	>40	B1+2
63	London Plane *Platanus x hispanica*	11	S	420	6.0	5.0	7.0	4.0	4.0	5.0	3.0	4.0	MA	Good	Good Part of avenue Planted in block paving Multi-stemmed at 3m above ground level Previously pollarded at 5m above ground level Fire hydrant to South side at 0.5m Epicormics on trunk Old pruning wounds	None required at time of survey	>40	B1+2
64	Wild Cherry *Prunus avium*	5	S	150	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	Y	Good	Good Stake and tie present Bacterial canker on trunk Crossing branches Developing tree	None required at time of survey	>40	C1
65	Apple *Malus spp*	4	S	140	1.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	Y	Good	Fair Stake and tie present Developing tree Mechanical damage at base Epicormics on trunk and in crown	None required at time of survey	20-40	C1
66	London Plane *Platanus x hispanica*	6	S	230	5.0	4.0	2.0	3.0	3.0	3.0	3.0	3.0	Y	Good	Good Developing tree	None required at time of survey	>40	B1
67	Rowan *Sorbus aucuparia*	4	S	<75	0.5	0.5	0.5	0.5	2.0	2.0	2.0	2.0	Y	Good	Good Developing tree	None required at time of survey	>40	C1

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
68	Apple *Malus spp*	5	S	170	2.0	2.5	2.5	2.5	3.0	3.0	3.0	3.0	Y	Good	Good Stake and tie preset Epicormics on trunk and in crown Developing tree	None required at time of survey	>40	C1
69	Common Beech *Fagus sylvatica*	6	S	90	1.0	1.0	1.0	0.5	3.0	3.0	3.0	3.0	Y	Good	Good Stake and tie present Developing tree	None required at time of survey	>40	C1
70	Common Beech *Fagus sylvatica*	5	S	90	1.0	1.0	1.0	0.5	2.0	2.0	2.0	2.0	Y	Poor	Fair Stake and tie preset Old pruning wounds on trunk Dieback in crown	None required at time of survey	<10	R
71	Apple *Malus spp*	4	S	120	1.5	2.0	2.0	1.0	2.0	2.0	2.0	2.0	Y	Good	Fair Bark wound on trunk Epicormics on trunk and in crown Crown shape distorted due to group pressure	None required at time of survey	20-40	C1
72	London Plane *Platanus x hispanica*	6	S	190	5.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	Y	Good	Good Developing tree Stake and tie present Multi-stemmed at 3m above ground level	None required at time of survey	>40	B1
73	Apple *Malus spp*	4	S	140	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	Y	Good	Good Stake and tie present Epicormics on trunk and in crown Cankers in crown	None required at time of survey	20-40	C1
74	Common Sycamore *Acer pseudoplatanus*	4	S	90	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	Y	Good	Good Developing tree	None required at time of survey	>40	C1
75	London Plane *Platanus x hispanica*	8	S	195	4.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0	Y	Good	Good Developing tree Trunk shape distorted Crown weighted East	None required at time of survey	>40	B1
76	Apple *Malus spp*	6	S	160	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	Y	Good	Good Stakes present Epicormics on trunk and in crown	None required at time of survey	20-40	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
77	London Plane *Platanus x hispanica*	8	S	200	4.0	4.0	3.0	2.5	2.5	3.0	3.0	3.0	Y	Good	Good Developing tree Crown shape distorted due to group pressure Crown weighted East Bark crack on trunk	None required at time of survey	>40	B1
78	Apple *Malus spp*	5	S	130	3.0	3.0	2.0	2.0	2.5	2.5	2.0	2.0	Y	Good	Good Bark damage caused by tree ties Epicormics on trunk and in crown	None required at time of survey	>40	C1
79	Flowering Cherry *Prunus spp*	5	S	130	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	Y	Good	Good Developing tree Stake and tie present Multi-stemmed at 3m above ground level	None required at time of survey	>40	C1
80	Flowering Cherry *Prunus spp*	6	S	140	2.0	2.0	2.0	1.5	3.0	4.0	3.5	3.0	Y	Good	Good Developing tree Stake and tie present Old pruning wounds on trunk	None required at time of survey	20-40	C1
81	Common Hawthorn *Crataegus monogyna*	3	S	90	2.0	1.0	2.0	1.0	1.5	1.5	1.5	1.5	Y	Good	Good Developing tree	None required at time of survey	>40	C1
82	Common Hawthorn *Crataegus monogyna*	4	S	95	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	Y	Good	Good Developing tree Mechanical damage at base	None required at time of survey	>40	C1
83	Common Hawthorn *Crataegus monogyna*	4	S	120	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	Y	Good	Good Developing tree	None required at time of survey	>40	C1
84	Common Hawthorn *Crataegus monogyna*	4	MS	190	1.5	2.0	1.5	1.5	0.5	0.5	0.5	0.5	Y	Good	Good Multi-stemmed at ground level Developing tree Lower branches reduced over footpath and car park	None required at time of survey	>40	C1
85	Fastigiate Hawthorn	6	S	130	0.5	0.5	0.5	0.5	3.0	3.0	3.0	3.0	Y	Good	Good Developing tree	None required at time of survey	>40	C1
86	Fastigiate Hawthorn	5.5	S	110	0.5	0.5	0.5	0.5	2.5	2.5	2.5	2.5	Y	Good	Good Developing tree	None required at time of survey	>40	C1
87	Fastigiate Hawthorn	5	S	110	1.0	0.5	0.5	0.5	2.5	2.5	2.5	2.5	Y	Good	Good Developing tree	None required at time of survey	>40	C1

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
88	Field Maple *Acer campestre*	4	S	120	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	Y	Good	good Developing tree Multi-stemmed at 2m above ground level Bark wound in crown	None required at time of survey	>40	C1
89	Fastigiate Hornbeam *Carpinus betulus 'Pyramidalis'*	5	S	120	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	Y	Good	Good Developing tree	None required at time of survey	>40	C1
90	Common Hawthorn *Crataegus monogyna*	3	S	120	2.0	2.5	1.0	2.0	2.0	2.0	2.0	2.0	Y	Good	Good Developing tree Multi-stemmed at 1.6m above ground level Bark wound on trunk	None required at time of survey	>40	C1
91	Blue Atlas Cedar *Cedrus atlantica*	8	S	180	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	Y	Good	Fair Lower branches to East and West reduced to stubs Crown shape distorted Tree donated to hospital	None required at time of survey	>40	C1
92	Common Lime *Tilia x europaea*	18	S	610	7.0	6.0	6.0	5.0	8.0	4.0	6.0	3.0	MA	Good	Good Recent demolition activity evident around base and in close proximity Epicormics on trunk and in crown Old pruning wound in crown Large buttress roots	None required at time of survey	>40	B1
93	Common Beech *Fagus sylvatica*	12	S	510	8.0	6.0	7.0	4.0	2.5	2.5	2.0	3.0	MA	Good	Good Crown shape distorted due to group pressure and prevailing wind direction Minor deadwood in crown High amenity value	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
94	Horse Chestnut *Aesculus hippocastanum*	16	S	860	7.0	7.0	7.0	8.0	4.0	4.0	4.0	4.0	M	Good	Fair Exposed surface roots and mechanical damage Large buttress roots Area of disturbed earth from recently demolished building to South Bark cracks with exudates on trunk Epicormics on trunk and in crown Old pruning wounds and stubs on trunk and in crown Previously pollarded at 8m above ground level Minor deadwood in crown	None required at time of survey	>40	B1
95	Horse Chestnut *Aesculus hippocastanum*	14	S	590	5.0	6.0	7.0	5.0	2.0	2.0	2.0	2.0	MA	Good	Fair Bark wound on trunk and in crown runs full length of main stem Bark wound is occluding Bifurcated at 3m above ground level Old pruning wound on trunk	None required at time of survey	>40	B1
96	Common Lime *Tilia x europaea*	7	S	270	3.0	4.0	3.5	3.5	1.5	1.5	1.5	1.5	Y	Good	Good Growing on bank Developing tree Multi-stemmed at 2m above ground level Low hanging branches Lower branches pruned to stubs Previously crown lifted to 2m to allow mowing	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
97	Common Lime *Tilia x europaea*	6	S	210	3.0	3.0	2.0	3.0	1.5	2.0	2.0	1.5	Y	Good	Good Growing on bank Trunk leans North Trunk shape distorted Previously crown lifted to 2m above ground level Old pruning wounds and stubs Developing tree	None required at time of survey	>40	B1
98	Common Lime *Tilia x europaea*	7	S	300	4.5	5.0	4.5	4.0	1.0	1.0	1.5	1.5	Y	Good	Good Growing on bank Exposed surface roots Recent building work around base Old pruning wounds on trunk and in crown Low hanging branches Possible root disturbance Developing tree	None required at time of survey	>40	B1
99	Scots Pine *Pinus sylvestris*	6	S	300	3.5	2.5	3.0	4.0	2.0	1.5	1.0	1.5	Y	Good	Good Developing tree Growing on bank Minor deadwood in crown Previously crown lifted Old pruning wounds and stubs	None required at time of survey	>40	B1
100	Scots Pine *Pinus sylvestris*	5	S	270	4.0	3.0	2.0	3.0	1.5	1.0	1.5	1.0	Y	Good	Fair Growing on bank Developing tree Trunk leans North Low hanging branches Dieback of lower limbs Crown weighted North	None required at time of survey	20-40	C1
101	Common Holly *Ilex aquifolium*	4	MS	130	0.5	1.0	0.5	1.5	1.0	1.0	1.0	1.0	Y	Good	Fair Grows in confined space between building and footpath Poor quality tree	None required at time of survey	10-20	C1

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
102	Bay *Laurus spp*	6	MS	1300	3.0	4.5	4.0	4.0	1.0	0.0	0.0	0.0	M	Good	Fair Boundary line tree Provides screen to gas tanks Trimmed to East, South and West over road and footpath Pruned to give clearance of 2m from gas tanks	None required at time of survey	20-40	C1
103	Bay *Laurus spp*	9	MS	1420	2.0	7.0	7.0	7.0	4.0	2.0	1.0	3.0	M	Fair	Fair Off-site tree Multi-stemmed at ground level One dead stem Old pruning wounds Tight forks with included bark Bark wounds on trunk Basal suckers	None required at time of survey	10-20	C1
104	Common Sycamore *Acer pseudoplatanus*	12	S	380	5.0	5.0	5.0	3.0	3.0	3.0	5.0	5.0	MA	Good	Fair Off-site tree Woodland edge tree Crown shape distorted due to group pressure Lower branches to East side pruned to boundary line leaving stubs Ivy on trunk Bifurcated at 4m above ground level Trunk leans East	None required at time of survey	>40	C1+2

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
105	Common Beech *Fagus sylvatica*	15	S	870	12.0	9.0	9.0	3.0	2.0	4.0	5.0	7.0	M	Fair	Fair Off-site tree Growing on bank Exposed surface roots Large buttress roots Bark wounds on trunk Crown weighted East Very asymmetric crown Reduced annual growth rate Minor deadwood in crown Crown shape distorted due to group pressure	None required at time of survey	>40	B1
106	Leyland Cypress *X Cuprocyparis leylandii*	16	MS	640	4.0	5.0	5.0	3.0	0.2	0.2	0.2	0.2	M	Fair	Fair Multi-stemmed at 1m above ground level Crown shape distorted due to group to West Low crown density to West side Low hanging branches	None required at time of survey	10-20	C1
107	Common Ash *Fraxinus excelsior*	13	S	590	9.0	7.0	8.0	8.5	4.0	2.0	3.0	2.0	M	Poor	Fair Footpath immediately to North Old pruning wounds on trunk Bifurcated at 1.8m above ground level Epicormics on trunk and in crown and reduced annual growth Previously crown lifted to 2m above ground level Minor deadwood in crown Stressed tree	None required at time of survey	10-20	C1
108	Silver Birch *Betula pendula*	8	S	210	5.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	MA	Fair	Fair Grows in planting pit in concrete Trunk leans North Crown weighted North Trunk shape distorted	None required at time of survey	10-20	C1

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
109	Common Lime *Tilia x europaea*	9	S	310	4.0	5.0	4.0	4.0	2.0	1.5	2.0	3.0	Y	Good	Good Previously crown lifted to 2m Crown shape distorted due to group pressure Bifurcated at 4m above ground level Tight forks with included bark	None required at time of survey	>40	B1+2
110	Common Lime *Tilia x europaea*	9	S	320	3.0	5.0	4.0	5.0	2.0	2.0	4.0	2.0	Y	Good	Good Previously crown lifted Good shape and form Bifurcated at 4m above ground level	None required at time of survey	>40	B1+2
111	Common Lime *Tilia x europaea*	8	S	310	5.0	4.0	5.0	4.0	2.0	1.5	2.0	2.0	Y	Good	Good Bifurcated at 2m above ground level Previously crown lifted to 2m above ground level Obscures sight line Possible cable runs through root protection area	None required at time of survey	>40	B1+2
112	Common Ash *Fraxinus excelsior*	12	S	550	6.0	8.0	6.0	8.0	3.0	5.0	3.0	2.0	M	Fair	Fair Hard surface 2m to South side Ivy on trunk Multi-stemmed at 4m above ground level Previously crown lifted to South side leaving stubs Dieback through centre of crown Major deadwood in crown Crown shape distorted due to group pressure	None required at time of survey	20-40	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
113	Common Ash *Fraxinus excelsior*	14	MS	500	5.0	4.0	6.0	4.0	10.0	3.0	3.0	3.0	MA	Good	Good Boundary line tree Bifurcated at 0.5m above ground level Crown shape distorted due to group pressure	None required at time of survey	>40	C1+2
114	Common Sycamore *Acer pseudoplatanus*	13	MS	760	4.0	3.0	4.0	3.0	5.0	5.0	5.0	5.0	MA	Good	Good Bifurcated at ground level Previously crown lifted to 5m above ground level	None required at time of survey	>40	C1+2
115	Common Sycamore *Acer pseudoplatanus*	12	S	190	3.0	3.0	3.0	0.5	3.0	3.0	3.0	3.0	Y	Fair	Fair Suppressed and stunted Crown shape distorted due to group pressure Ivy on trunk	Advise removal within 12 months	<10	R
116	Common Sycamore *Acer pseudoplatanus*	16	S	420	5.0	1.0	6.0	6.0	3.0	7.0	3.0	4.0	MA	Fair	Fair Boundary line tree Basal suckers Crown shape distorted due to group pressure Old pruning wounds on trunk	None required at time of survey	20-40	C1+2
117	Common Sycamore *Acer pseudoplatanus*	13	MS	320	1.0	4.0	2.0	3.0	6.0	3.0	4.0	4.0	Y	Good	Fair Ivy on trunk Bifurcated at ground level Crown shape distorted due to group pressure Minor deadwood in crown	None required at time of survey	20-40	C1+2
118	Common Sycamore *Acer pseudoplatanus*	12	MS	400	2.0	2.0	4.0	4.0	3.0	3.0	3.0	3.0	Y	Fair	Poor Bifurcated at ground level Tight forks with included bark Ivy on trunk Bark wound and decay on trunk to North side from ground level to 2.5m above ground level Crown shape distorted due to group pressure	Advise removal within 12 months	<10	R

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
119	Common Sycamore *Acer pseudoplatanus*	12	S	250	0.0	4.0	5.0	4.0	-	3.0	3.0	3.0	Y	Good	Good Ivy on trunk Crown shape distorted due to group pressure	None required at time of survey	20-40	C1+2
120	Common Sycamore *Acer pseudoplatanus*	16	S	390	6.0	6.0	0.0	5.0	3.0	3.0	-	3.0	MA	Good	Fair Boundary line tree Crown weighted North due to trees of group 2 Trunk leans North	None required at time of survey	20-40	C1
121	Common Sycamore *Acer pseudoplatanus*	12	S	220	3.0	4.0	3.0	1.0	3.0	3.0	3.0	3.0	Y	Good	Good Ivy on trunk Crown shape distorted due to group pressure	None required at time of survey	20-40	C1+2
122	Lawson Cypress *Chamaecyparis lawsoniana*	13	MS	670	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	MA	Good	Good Exposed surface roots Bifurcated at ground level Direct damage to footpath Previously crown lifted to 2m above ground level	None required at time of survey	10-20	C1
123	Common Holly *Ilex aquifolium*	4	S	200	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	Y	Good	Fair Ornamental garden tree managed at 4m high Previously crown lifted to 2m above ground level	None required at time of survey	10-20	C1
124	Common Ash *Fraxinus excelsior*	15	MS	560	4.0	5.0	4.0	6.0	3.0	3.0	3.0	3.0	MA	Good	Fair Large buttress roots Ivy on trunk Bifurcated at 1.3m above ground level Tight forks with included bark Epicormics in crown Minor deadwood in crown	None required at time of survey	20-40	C1
125	Common Elder *Sambucus nigra*	5	MS	490	3.0	3.0	3.0	1.0	2.0	2.0	2.0	2.0	M	Poor	Poor Bifurcated at 0.5m above ground level Major deadwood throughout crown Trunk leans North-east Crown weighted North-east	None required at time of survey	10-20	C1

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
126	Common Holly *Ilex aquifolium*	4	S	300	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	MA	Fair	Fair Ornamental garden tree managed at 4m high Previously crown lifted to 2m above ground level	None required at time of survey	10-20	C1
127	Common Elder *Sambucus nigra*	5	MS	Est 350	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	M	Poor	Poor Bifurcated at 1m above ground level Ivy on trunk and in crown Smothered tree Poor quality tree	None required at time of survey	10-20	C1
128	Common Whitebeam *Sorbus aria*	4	S	170	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	MA	Good	Fair Grows in pavement Direct damage to pavement Trunk leans East Previously crown lifted to 2m above ground level Multi-stemmed at 2m above ground level Mechanical damage at base	None required at time of survey	20-40	C1
129	Common Ash *Fraxinus excelsior*	15	S	510	6.0	8.0	6.0	7.0	3.0	4.0	3.0	5.0	M	Good	Good Boundary line tree Large exposed roots running East and West Trifurcated at 2m above ground level Ivy on trunk Minor deadwood in crown	None required at time of survey	>40	B1
130	Lawson Cypress *Chamaecyparis lawsoniana*	5	S	150	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	MA	Fair	Fair Grows adjacent to Building Branches touch building minor deadwood in crown Sparse and brown foliage	Advise removal within 12 months	<10	R
131	Himalayan Cotoneaster *Cotoneaster frigidus*	4	MS	180	2.0	4.0	4.0	1.0	2.0	2.0	1.5	2.0	MA	Good	Fair Bifurcated at ground level Previously crown lifted Old pruning wounds on trunk and in crown Sparse crown	None required at time of survey	<10	R

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
132	Common Holly *Ilex aquifolium*	6	MS	290	2.0	2.0	3.0	2.0	3.0	3.0	3.0	3.0	MA	Good	Good Crown shape distorted due to group pressure Previously crown lifted to 3m above ground level Ornamental tree	None required at time of survey	20-40	C1
133	Lawson Cypress *Chamaecyparis lawsoniana*	12	S	340	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	MA	Good	Good Boundary line tree Good shape and form Trifurcated at 3m above ground level	None required at time of survey	>40	B1
134	Apple *Malus spp*	2	MS	160	0.5	5.0	0.5	0.5	1.5	1.5	1.5	1.5	MA	Fair	Poor Old stump with some live growth Bark necrosis	Advise removal within 12 months	<10	R
135	Flowering Cherry *Prunus spp*	3	MS	150	1.0	1.0	1.0	0.5	2.0	2.0	2.0	2.0	Y	Fair	Fair Grows in pavement Multi-stemmed at 1m above ground level Two stems heavily reduced Old pruning wounds and stubs Poor quality tree	None required at time of survey	10-20	C1
136	Common Hawthorn *Crataegus monogyna*	7	MS	550	2.0	3.0	4.0	4.0	5.0	2.0	2.0	3.0	M	Poor	Poor Trifurcated at ground level Tight forks with included bark Major decay at union Split forks Crossing branches Deadwood in crown Previously topped at 5m above ground level Poor quality tree	Advise removal within 12 months	<10	R

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
137	Common Sycamore *Acer pseudoplatanus*	10	S	430	6.0	6.0	5.0	5.0	3.0	3.0	3.0	3.0	MA	Fair	Fair Boundary line tree Ivy on trunk Bifurcated at 2m above ground level Crown weighted South Crown shape distorted due to group pressure Signs of stress evident Low rate of growth Dieback in crown	None required at time of survey	10-20	C1
138	Common Elder *Sambucus nigra*	5	S	400	5.0	4.0	2.0	3.0	1.0	2.0	3.0	1.5	M	Poor	Poor Off-site tree Boundary line tree Bifurcated at 0.5m above ground level Leans against wall to East Crown shape distorted due to group pressure Deadwood in crown Poor quality tree	Advise removal within 12 months	<10	R
139	Horse Chestnut *Aesculus hippocastanum*	16	S	960	6.0	7.0	7.0	5.0	2.0	2.0	2.0	2.0	M	Fair	Fair Off-site tree Swollen butt indicative of internal cavity Trifurcated at 4m above ground level Crown weighted South Overhangs site Bleeding canker on trunk	None required at time of survey	20-40	B1
140	Common Lime *Tilia x europaea*	15	S	420	8.0	3.0	3.0	8.0	1.0	5.0	3.0	1.0	MA	Good	Good Off-site tree Exposed surface roots Trunk leans North Crown weighted North Crown shape distorted due to group pressure Low hanging branches	None required at time of survey	>40	C1

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
141	Common Ash *Fraxinus excelsior*	17	S	520	7.0	10.0	8.0	6.0	14.0	4.0	4.0	4.0	M	Good	Fair Off-site tree Crown weighted South-east Trifurcated at 3m above ground level Crown shape distorted due to group pressure Large surface root extends towards site boundary	None required at time of survey	20-40	B1
142	Common Walnut *Juglans regia*	8	S	500	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	M	Poor	Poor Off-site tree Ivy on trunk and in crown Severe decline throughout crown	Advise removal within 12 months	<10	R
143	Common Lime *Tilia x europaea*	16	S	490	5.0	5.0	5.0	5.0	3.0	3.0	3.0	3.0	MA	Good	Good Off-site tree Ivy on trunk Epicormics on trunk and in crown Multi-stemmed at 4m above ground level	None required at time of survey	>40	B1
144	Common Sycamore *Acer pseudoplatanus*	16	S	530	6.0	7.0	5.0	5.0	3.0	3.0	3.0	3.0	MA	Good	good Off-site tree Bifurcated at 2m above ground level Overhangs site Tight forks with included bark	None required at time of survey	>40	B1
Grp 1	Himalayan Birch Strawberry Tree	Av 6	MS	Av 240	-	-	-	-	-	-	-	-	Y	Fair	Fair Group of multi-stemmed trees and shrubs in area of landscaped grounds Two trees are dead/dying	None required at time of survey	10-20	C1+2
Grp 2	Monterey Cypress Blackthorn Common Hawthorn Norway Maple	Av 2	Ms	Av 80	-	-	-	-	-	-	-	-	Y	Good	Good Shrub and developing tree border between car park and access road	None required at time of survey	20-40	C1+2

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
Grp 3	Blackthorn Common Hawthorn Monterey Cypress	Av 2.5	MS	Av 100	-	-	-	-	-	-	-	-	Y	Good	Good Shrub and developing tree border between car park and access road	None required at time of survey	20-40	C1+2
Grp 4	Monterey Cypress	3	S	<75	-	-	-	-	-	-	-	-	Y	Good	Good Four developing tree's	None required at time of survey	>40	C1
Grp 5	Common Holly Aucuba Privet Bay	Av 4	Ms	Av 350	-	-	-	-	-	-	-	-	MA	Good	Good Boundary line group of evergreen shrubs Most multi-stemmed at ground level	None required at time of survey	>40	C1+2
Grp 6	Silver Birch x 10	Av 6	S	Av 160	-	-	-	-	-	-	-	-	Y	Good	Fair Linear group All crown shapes distorted due to group pressure Most trunk shapes distorted Some multi-stemmed at various heights Some suppressed and stunted Some with bark wounds on trunks	None required at time of survey	10-20	C1+2
Grp 7	Portuguese Laurel Eleagnus	Av 2	MS	130	-	-	-	-	-	-	-	-	MA	Good	Good Boundary line group Provides good evergreen cover Pruned clear of road	None required at time of survey	20-40	C1
Grp 8	Leyland Cypress	20	MS	680	-	-	-	-	-	-	-	-	M	Fair	Fair Crown shape distorted due to group pressure Crown weighted South Minor deadwood in crown Large buttress roots	None required at time of survey	10-20	C1+2
Grp 9	Griselinia	Av 4	MS	Av 200	-	-	-	-	-	-	-	-	MA	Good	Good Two ornamental shrubs Previously crown lifted to 1.5m above ground level	None required at time of survey	10-20	C1+2

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
H1	Laurel	2	MS	Av 250	-	-	-	-	-	-	-	-	MA	Good	Good Formal boundary hedge maintained in tidy condition All multi-stemmed at ground level	None required at time of survey	20-40	B1+2
H2	Leyland Cypress Lawson Cypress	Av 6	S	230	-	-	-	-	-	-	-	-	Y	Fair	Fair Boundary line hedge Trees of varying heights Some dead/dying Previously crown lifted to 2m over car park Poor quality hedge	Remove and replace dead/dying within 12 months	10-20	C1+2
H3	Laurel Leyland Cypress Euonymus	Av 3	MS	Av 100	-	-	-	-	-	-	-	-	Y	Good	Good Formal boundary hedge	None required at time of survey	20-40	C1+2
H4	Leyland Cypress	5	S	Av 100	-	-	-	-	-	-	-	-	Y	Good	Good Formal boundary hedge Sides trimmed but not yet topped	None required at time of survey	20-40	C1+2

T:\Drawings Current\7245WORTHING HOSPITAL\CBATrees Drawings\7245-01.dwg, SE A0 200 SH3, 23/01/2009 10:46:38, PDF995, ISO A0, 1:1



ABBREVIATIONS

AV	Air Valve	FH	Fire Hydrant	SI	Sign Post
AH	Arch Head Height	FL	Floor Level	SP	Arch Spring Point Height
BB	Belisha Beacon	FP	Flag Pole	SV	Stop Valve
BH	Bore Hole	GG	Gully Grate	SY	Stay
BL	Bed Level	GV	Gas Valve	Tac	Tactile Paving
BO	Bollard	HH	Head Height	TC	Telecom Cover
BrP	Brace Post	IC	Inspection Cover	TH	Trial Pit
BS	Bus Stop	IL	Invert Level	THL	Threshold Level
BU	Bush	KO	Kerb Outlet	TL	Traffic Light
BX	Box (Utilities)	LP	Lamp Post	ToW	Top of Wall
C-Lev	Ceiling Level	MH	Manhole	TP	Telegraph Pole
CH	Cill Height	MP	Marker Post	TV	Cable TV Cover
CL	Cover Level	NB	Name Board	UB	Universal Beam
COL	Column	P/W	Partition Wall	UC	Unknown Cover
DC	Drainage Channel	PM	Parking Meter	UK	Unknown Tree
DH	Door Head Height	PO	Post	UTL	Unable To Lift
DP	Down Pipe	PB	Post Box	USB	Under Side Beam
DR	Drain	RE	Rodding Eye	VP	Vent Pipe
EL	Eaves Level	RL	Ridge Level	WB	Waste Bin
EP	Electric Pole	RP	Reflector Post	WH	Weep Hole
ER	Earth Rod	RS	Road Sign	WL	Water Level
ET	EP+Transformer	RSD	Roller Shutter Door	WM	Water Meter
FB	Floor Board Direction	RSJ	Rolled Steel Joist	WO	Wash Out

FEATURES

FENCE (C/B 1.6h)
WALL (Wall 1.2h)
HEDGE (Hedge 1.3h) — AVERAGE ROOT LINE SHOWN
OVERHEAD LINE (OHL) — INDICATIVE POSTION OF LINE

MEASUREMENTS TO INTERNAL WALLS HAVE BEEN TAKEN TO THE WALL FINISHES AT APPROX 1m ABOVE FLOOR LEVEL AND ASSUMED TO BE VERTICAL.

FENCE TYPES

B/W BARBED WIRE — C/L CHAIN LINK — I/R IRON RAILINGS — P/R POST AND RAIL
C/B CLOSE BOARD — C/P CHESTNUT PALING — Pan PANEL — P/W POST AND WIRE

SYMBOLS

X.XX FLOOR TO CEILING HEIGHT — CONTROL STATION
X.XX F/C FLOOR TO FALSE CEILING HEIGHT — Col COLUMN

CILL HEIGHTS ARE MEASURED AS FLOOR TO CILL
HEAD HEIGHTS ARE MEASURED FROM CILL TO TOP OF WINDOW

SERVICES

FOUL SEWERS (0.225Ø, FW MH)
STORM SEWERS (0.375Ø, SW MH)
PIPE POSITIONS AND ALIGNMENTS ARE INDICATIVE ONLY.

ALL BELOW GROUND DETAILS INCLUDING DRAINAGE, VOIDS AND SERVICES HAVE BEEN IDENTIFIED FROM ABOVE GROUND AND THEREFORE ALL DETAILS RELATING TO THESE FEATURES INCLUDING; SIZES, DEPTH, DESCRIPTION ETC WILL BE APPROXIMATE ONLY. ANY CRITICAL DIMENSIONS AND CONNECTIONS SHOULD BE CHECKED AND VERIFIED PRIOR TO STARTING WORK.

SERVICES AND DETAIL MAY NOT HAVE BEEN SURVEYED IF OBSTRUCTED OR NOT REASONABLY VISIBLE AT THE TIME OF SURVEY.

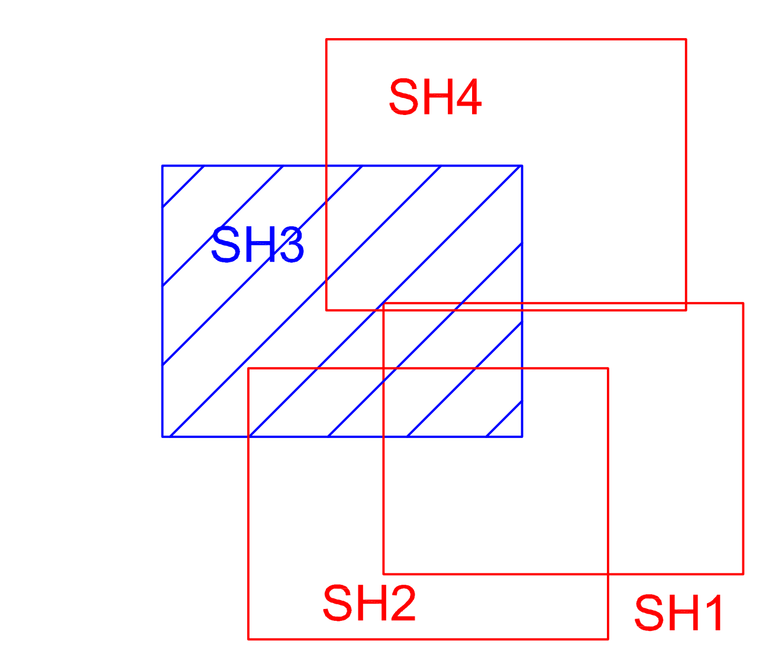
THE CONTRACTOR MUST CHECK AND VERIFY ALL SITE AND BUILDING DIMENSIONS, LEVELS, UTILITIES AND DRAINAGE DETAILS AND CONNECTIONS PRIOR TO COMMENCING WORK.

ALL CRITICAL DIMENSIONS AND MEASUREMENTS SHOULD BE CHECKED AND VERIFIED WITH ANY ERRORS OR DISCREPANCIES NOTIFIED TO SURVEY SOLUTIONS IMMEDIATELY. THE ACCURACY OF THE DIGITAL DATA IS THE SAME AS THE PLOTTING SCALE IMPLIES. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

© LAND SURVEY SOLUTIONS LIMITED HOLD THE COPYRIGHT TO ALL THE INFORMATION CONTAINED WITHIN THIS DOCUMENT AND THEIR WRITTEN CONSENT MUST BE OBTAINED BEFORE COPYING OR USING THE DATA OTHER THAN FOR THE PURPOSE IT WAS ORIGINALLY SUPPLIED.

DO NOT SCALE FROM THIS DRAWING

SHEET LAYOUT



CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	515359.526	103289.526	3.161	PK Nail
ST02	515440.222	103298.671	2.911	PK Nail
ST03	515461.190	103237.680	4.397	PK Nail
ST04	515466.177	103147.804	6.136	PK Nail
ST05	515496.178	103085.016	7.124	PK Nail
ST06	515415.462	103061.893	7.133	PK Nail
ST07	515398.726	103066.529	6.922	PK Nail
ST08	515373.527	103066.770	6.810	PK Nail
ST09	515352.286	103094.561	6.712	PK Nail
ST10	515305.396	103084.560	6.767	PK Nail
ST11	515370.686	103130.417	6.089	PK Nail
ST12	515452.256	103222.562	5.132	PK Nail
ST13	515447.390	103258.942	5.011	PK Nail
ST14	515338.399	103134.214	6.441	PK Nail
ST40	515349.755	103299.290	3.068	PK Nail
ST41	515397.085	103303.100	3.007	PK Nail
ST42	515427.302	103330.343	2.661	PK Nail
ST43	515456.518	103073.201	7.081	PK Nail
ST45	515349.340	103299.120	3.079	PK Nail
ST50	515438.343	103152.250	5.793	Peg/Nail
ST51	515418.098	103140.701	5.936	PK Nail

THE SURVEY STATIONS LISTED ABOVE ARE ONLY INTENDED TO BE USED FOR TOPOGRAPHICAL SURVEYS AT THE STATED SCALE. ALL CONTROL MUST BE CHECKED AND VERIFIED PRIOR TO USE.

NOTES

1. ORDNANCE SURVEY NATIONAL GRID COORDINATES HAVE BEEN ESTABLISHED FOR ST50 USING GPS AND RELATED TO OSTN02(GB) AND OSGM02(GB). THE GRID IS ORIENTATED TO GRID NORTH, WITH A SCALE FACTOR OF 1.000.
2. ALL LEVELS RELATE TO THE ORDNANCE SURVEY LEVEL DATUM FOR CONTROL STATION ST50 ESTABLISHED WITH GPS USING OSGM02(GB).
3. ALL DIMENSIONS ARE IN METRES.

DESCRIPTION	DRAWN	APPR	DATE

Survey Solutions
Land ▪ Engineering ▪ Architectural
SURVEY SOLUTIONS (South East)
CODHAM HALL, GREAT WARLEY
BRENTWOOD CM13 3JT
Tel 01277 222700 Fax 01277 227221
southeast@survey-solutions.co.uk
www.survey-solutions.co.uk
BRENTWOOD NORWICH COVENTRY IPSWICH YEOVIL PERTH
Survey Solutions (South East) is the trading name of Land Survey Solutions (South East) Ltd

NOTE
Trees marked *are indicatively plotted only and should be verified by land surveyor.
Do not scale from this plan

KEY
- category A trees
- category B trees
- category C trees
- category R trees

CLIENT
WSP Environmental & Energy

JOB TITLE
Worthing Hospital
Lyndhurst Road
Worthing, West Sussex

DRAWING TITLE
Tree Survey Plan
SHEET 3 OF 4

DRAWING No.
CBA 7245.01

SCALE
1:200@A0

DRAWN
lg

DATE
20 Jan 2009

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

ORIGINAL SHEET SIZE A0H

WORTHING HOSPITAL

Grp1 Grp2 Grp3 Grp4 Grp5

INDICATIVE ONLY

Lyndhurst Road (South Speed Limit (Asphalt))

Park Road (Zone 20mph (Asphalt))

Nos.14-16 Nos.10-12 Nos.2-8

Private Dwellings

ABBREVIATIONS

AV	Air Valve	FH	Fire Hydrant	SI	Sign Post
AH	Arch Head Height	FL	Floor Level	SP	Arch Spring Point Height
BB	Bollard Beacon	FP	Flag Pole	SV	Stop Valve
BH	Bore Hole	GG	Gully Grate	SY	Stay
BL	Bird Level	GV	Gas Valve	Tac	Tactile Paving
BO	Bollard	HH	Head Height	TC	Telecom Cover
BP	Brace Post	IC	Inspection Cover	TH	Trial Pit
BS	Bus Stop	IL	Invert Level	THL	Threshold Level
BU	Bush	KO	Kerb Outlet	TL	Traffic Light
BX	Box (Utilities)	LP	Lamp Post	TopW	Top of Wall
Ccwy	Ceiling Level	MH	Manhole	TP	Telegraph Pole
CH	C/E Height	MP	Marker Post	TV	Cable TV Cover
CL	Cover Level	NB	Name Board	UB	Unknown Boom
COL	Column	PAV	Partition Wall	UC	Unknown Cover
DC	Drainage Channel	PM	Parking Meter	UK	Unknown Tree
DH	Door Head Height	PO	Post	UTL	Unable To Lift
DP	Down Pipe	PB	Post Box	UB	Under Side Beam
DR	Drain	RE	Rodding Eye	VP	Vent Pipe
EL	Eaves Level	RL	Ridge Level	WB	Waste Bin
EP	Electric Pole	RP	Reflector Post	WH	Weep Hole
ER	Earth Rod	RS	Road Sign	WL	Water Level
ET	EP+Transformer	RSD	Roller Shutter Door	WM	Water Meter
FB	Fibre Board Dandion	RSJ	Rolled Steel Joist	WO	Wash Out

FEATURES

FENCE

WALL — Wall 1.2m

HEDGE — AVERAGE ROOT LINE SHOWN

OVERHEAD LINE — INDICATIVE POSITION OF LINE

MEASUREMENTS TO INTERNAL WALLS HAVE BEEN TAKEN TO THE WALL FINISHES AT APPROX 1m ABOVE FLOOR LEVEL AND ASSUMED TO BE VERTICAL.

FENCE TYPES

BW	BARBED WIRE	CL	CHAIN LINK	IR	IRON RAILINGS	P/R	POST AND RAIL
C/B	CLOSE BOARD	C/P	CHESTNUT PALING	Pan	PANEL	P/W	POST AND WIRE

SYMBOLS

FLOOR TO CEILING HEIGHT — CONTROL STATION

FTC FLOOR TO FALSE CEILING HEIGHT — COLUMN

CILL HEIGHTS ARE MEASURED AS FLOOR TO CILL.
HEAD HEIGHTS ARE MEASURED FROM CILL TO TOP OF WINDOW

SERVICES

FOUL SEWERS — PIPE POSITIONS AND ALIGNMENTS ARE INDICATIVE ONLY.

STORM SEWERS

ALL BELOW GROUND DETAILS INCLUDING DRAINAGE, VOIDS AND SERVICES HAVE BEEN IDENTIFIED FROM ABOVE GROUND AND THEREFORE ALL DETAILS RELATING TO THESE FEATURES INCLUDING: SIZES, DEPTH, DESCRIPTION ETC WILL BE APPROXIMATE ONLY. ANY SUCH DETAILS REQUIRED FOR DESIGNING AND CONNECTIONS SHOULD BE CHECKED AND VERIFIED PRIOR TO STARTING WORK.

SERVICES AND DETAIL MAY NOT HAVE BEEN SURVEYED IF OBSTRUCTED OR NOT REASONABLY VISIBLE AT THE TIME OF SURVEY.

THE CONTRACTOR MUST CHECK AND VERIFY ALL SITE AND BUILDING DIMENSIONS, LEVELS, UTILITIES AND DRAINAGE DETAILS AND CONNECTIONS PRIOR TO COMMENCING WORK.

ALL CRITICAL DIMENSIONS AND MEASUREMENTS SHOULD BE CHECKED AND VERIFIED WITH ANY ERRORS OR DISCREPANCIES NOTIFIED TO SURVEY SOLUTIONS IMMEDIATELY. THE ACCURACY OF THE DIGITAL DATA IS THE SAME AS THE PLOTTING SCALE IMPLIES. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

©LAND SURVEY SOLUTIONS LIMITED HOLD THE COPYRIGHT TO ALL THE INFORMATION CONTAINED WITHIN THIS DOCUMENT AND THEIR WRITTEN CONSENT MUST BE OBTAINED BEFORE COPYING OR USING THE DATA OTHER THAN FOR THE PURPOSE IT WAS ORIGINALLY SUPPLIED.

DO NOT SCALE FROM THIS DRAWING

SHEET LAYOUT

SH4 SH3 SH2 SH1

CONTROL COORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	515359.524	103286.528	3.161	PK Nail
ST02	515461.152	103237.849	4.307	PK Nail
ST03	515461.152	103237.849	4.307	PK Nail
ST04	515466.177	103147.804	6.136	PK Nail
ST05	515466.177	103085.014	6.134	PK Nail
ST06	515415.462	103061.893	7.153	PK Nail
ST07	515415.462	103061.893	7.153	PK Nail
ST08	515332.287	103066.770	6.810	PK Nail
ST09	515332.286	103064.561	6.772	PK Nail
ST10	515332.286	103064.561	6.772	PK Nail
ST11	515255.884	103135.417	4.985	PK Nail
ST12	515462.256	103222.062	5.132	PK Nail
ST13	515447.390	103258.842	5.011	PK Nail
ST14	515539.399	103134.214	6.441	PK Nail
ST15	515539.399	103134.214	6.441	PK Nail
ST41	515367.085	103302.100	3.057	PK Nail
ST42	515427.302	103330.343	2.481	PK Nail
ST43	515427.302	103330.343	2.481	PK Nail
ST45	515346.340	103268.120	3.078	PK Nail
ST50	515438.243	103152.250	5.762	Peg/Nail
ST51	515418.009	103162.701	5.836	PK Nail

THE SURVEY STATIONS LISTED ABOVE ARE ONLY INTENDED TO BE USED FOR TOPOGRAPHICAL SURVEYS AT THE STATED SCALE. ALL CONTROL MUST BE CHECKED AND VERIFIED PRIOR TO USE.

NOTES

1. ORDNANCE SURVEY NATIONAL GRID COORDINATES HAVE BEEN ESTABLISHED FOR ST50 USING GPS AND RELATED TO OSTN02(GD) AND OSGM02(GB). THE GRID IS ORIENTATED TO GRID NORTH, WITH A SCALE FACTOR OF 1.000.

2. ALL LEVELS RELATE TO THE ORDNANCE SURVEY LEVEL DATUM FOR CONTROL STATION ST50 ESTABLISHED WITH GPS USING OSGM02(GB).

3. ALL DIMENSIONS ARE IN METRES.

REV	DESCRIPTION

Survey Solutions
Land • Engineering • Architectural

SURVEY SOLUTIONS (South East)
CODHAM HALL, GREAT WARLEY
BRENTWOOD CM13 3JT
Tel 01277 227700 Fax 01277 227221
southeast@survey-solutions.co.uk
www.survey-solutions.co.uk
BRENTWOOD BOWNESS COVENTRY IPSWICH YEOVIL PERTH
Survey Solutions (South East) is the trading name of Land Survey Solutions (South East) Ltd

DRAWN APPR DATE

NOTE
Trees marked * are indicatively plotted only and should be verified by land surveyor.
Do not scale from this plan

KEY
- category A trees
- category B trees
- category C trees
- category R trees

CLIENT
WSP Environmental & Energy

JOB TITLE
Worthing Hospital
Lyndhurst Road
Worthing, West Sussex

DRAWING TITLE
Tree Survey Plan
SHEET 2 OF 4

DRAWING No.
CBA 7245.01

SCALE
1:200@A0

DRAWN
lg

DATE
20 Jan 2009

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.

CBA Trees, Apex House, Apex Centre, Church Lane, Trowbridge, Wiltshire, BA14 0XC. 01225 776 776. Fax 01225 775 419

ORIGINAL SHEET SIZE A0

I:\Drawings\Current\7245\WORTHING HOSPITAL\CBA\Trees Drawings\7245-01.dwg, 02 A0 200 342, 23/01/2009 10:35:06, PDF995, 150, A0, 1:1



ABBREVIATIONS

AV	Air Valve	FH	Fire Hydrant	SI	Sign Post
AH	Arch Head Height	FL	Floor Level	SP	Arch Spring Point Height
BB	Bellaha Beacon	FP	Flag Pole	SV	Stop Valve
BH	Bore Hole	GG	Gully Grate	SY	Sloy
BL	Bod Level	GV	Gas Valve	Tac	Tactile Paving
BO	Bollard	HH	Head Height	TC	Telecom Cover
BrP	Brace Post	IC	Inspection Cover	TH	T-bal Pit
BS	Bus Stop	IL	Invert Level	ThL	Threshold Level
BU	Bush	KO	Kerb Outlet	TL	Traffic Light
BX	Box (Utilities)	LP	Lamp Post	ToP	Top of Wall
C+Lev	Ceiling Level	MH	Manhole	TP	Telegraph Pole
CH	CiR Height	MP	Marker Post	TV	Cable TV Cover
CL	Cover Level	NB	Name Board	UB	Universal Beam
COL	Column	PIW	Pumbbus Well	UC	Unknown Cover
DC	Drainage Channel	PM	Parking Meter	UN	Unknown Tree
DH	Door Head Height	PO	Post	UTL	Unable To Lift
DP	Down Pipe	PB	Post Box	USB	Under Safe Beam
DR	Drain	PS	Pedestrian Sym	WH	Hand Rail
EL	Cover Level	RL	Roof Ridge Level	WL	Water Level
EP	Electric Pole	RP	Reflector Post	WN	Weep Hole
ER	Earth Rod	RS	Road Sign	WL	Water Level
ET	EPI+Transformer	RSD	Roller Shutter Door	WM	Water Meter
FB	Floor Board Direction	RSJ	Rolled Steel Joist	WO	Wash Out

FEATURES

FENCE — Post Up

WALL — Wall Up

HEDGE — Hedge Up — AVERAGE ROOT LINE SHOWN

OVERHEAD LINE — OHL — INDICATIVE POSITION OF LINE

MEASUREMENTS TO INTERNAL WALLS HAVE BEEN TAKEN TO THE WALL FINISHES AT APPROX 1m ABOVE FLOOR LEVEL AND ASSUMED TO BE VERTICAL.

FENCE TYPES

BW	BARBED WIRE	CL	CHAIN LINK	IR	IRON RAILINGS
CB	CLOSE BOARD	CP	CHESTNUT PALING	Pan	PANEL

P/R POST AND RAIL
P/W POST AND WIRE

SYMBOLS

FTC — FLOOR TO CEILING HEIGHT
FFC — FLOOR TO FALSE CEILING HEIGHT
CONTROL STATION
Col — COLUMN

CILL HEIGHTS ARE MEASURED AS FLOOR TO CILL
HEAD HEIGHTS ARE MEASURED FROM CILL TO TOP OF WINDOW

SERVICES

FOUL SEWERS — 12" DIA 225 — PIPE POSITIONS AND ALIGNMENTS ARE INDICATIVE ONLY.

STORM SEWERS — 12" DIA 225

ALL BELOW GROUND DETAILS INCLUDING DRAINAGE, VOIDS AND SERVICES HAVE BEEN ESTIMATED FROM ABOVE GROUND AND THEREFORE ALL DETAILS RELATING TO THESE ITEMS ARE INCLUDED FOR GUIDANCE ONLY. DESCRIPTIONS ETC. SHOULD BE CHECKED. ANY CRITICAL DIMENSIONS AND CONNECTIONS SHOULD BE CHECKED AND VERIFIED PRIOR TO STARTING WORK.

SERVICES AND DETAIL MAY NOT HAVE BEEN SURVEYED IF OBSTRUCTED OR NOT REASONABLY VISIBLE AT THE TIME OF SURVEY.

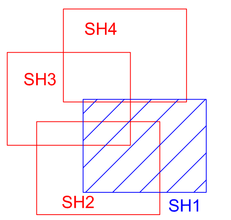
THE CONTRACTOR MUST CHECK AND VERIFY ALL SITE AND BUILDING DIMENSIONS, LEVELS, UTILITIES AND DRAINAGE DETAILS AND CONNECTIONS PRIOR TO COMMENCING WORK.

ALL CRITICAL DIMENSIONS AND MEASUREMENTS SHOULD BE CHECKED AND VERIFIED WITH ANY DESIGN DRAWINGS BEFORE BEING USED TO SURVEY SETTING IMMEDIATELY. THE ACCURACY OF THE DIGITAL DATA IS NOT KNOWN AS THE PLOTTING SCALE IMPLIES. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

© LAND SURVEY SOLUTIONS LIMITED HOLD THE COPYRIGHT TO ALL THE INFORMATION CONTAINED WITHIN THIS DOCUMENT AND THEIR WRITTEN CONSENT MUST BE OBTAINED BEFORE COPYING OR USING THE DATA OTHER THAN FOR THE PURPOSE IT WAS ORIGINALLY SUPPLIED.

DO NOT SCALE FROM THIS DRAWING

SHEET LAYOUT



CONTROL COORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	515359.526	103289.526	3.181	PK Nail
ST02	515441.180	103377.865	4.363	PK Nail
ST03	515461.192	103337.865	4.363	PK Nail
ST04	514466.177	103147.804	6.136	PK Nail
ST05	514464.178	103085.015	7.139	PK Nail
ST06	515413.462	103061.893	7.153	PK Nail
ST07	515373.527	103061.893	6.810	PK Nail
ST08	515373.527	103066.170	6.810	PK Nail
ST09	515352.388	103084.561	6.712	PK Nail
ST10	515352.388	103134.561	6.712	PK Nail
ST11	515325.668	103130.617	6.089	PK Nail
ST12	515452.556	103222.562	5.132	PK Nail
ST13	515441.560	103172.201	7.051	PK Nail
ST14	515338.389	103134.214	6.441	PK Nail
ST15	515338.389	103084.214	6.441	PK Nail
ST41	515325.668	103353.105	3.057	PK Nail
ST42	515427.302	103330.363	2.881	PK Nail
ST43	515456.518	103172.201	7.051	PK Nail
ST44	515338.389	103134.214	6.441	PK Nail
ST45	515338.389	103084.214	6.441	PK Nail
ST46	515413.462	103061.893	7.153	PK Nail
ST47	515373.527	103061.893	6.810	PK Nail
ST48	515373.527	103066.170	6.810	PK Nail
ST49	515352.388	103084.561	6.712	PK Nail
ST50	515352.388	103134.561	6.712	PK Nail

THE SURVEY STATIONS LISTED ABOVE ARE ONLY INTENDED TO BE USED FOR TOPOGRAPHICAL SURVEYS AT THE STATED SCALE. ALL CONTROL MUST BE CHECKED AND VERIFIED PRIOR TO USE.

NOTES:

1. ORDNANCE SURVEY NATIONAL GRID COORDINATES HAVE BEEN ESTABLISHED FOR ST50 USING GPS AND RELATED TO OSTN02(GB) AND OSGM02(GB). THE GRID IS ORIENTATED TO GRID NORTH, WITH A SCALE FACTOR OF 1.000.

2. ALL LEVELS RELATE TO THE ORDNANCE SURVEY LEVEL DATUM FOR CONTROL STATION ST50 ESTABLISHED WITH GPS USING OSGM02(GB).

3. ALL DIMENSIONS ARE IN METRES.

REV	DESCRIPTION	DRAWN	APPR.	DATE

Survey Solutions
Land • Engineering • Architectural
SURVEY SOLUTIONS (South East)
CODHAM HALL, GREAT WARLEY
BRENTWOOD CM13 3JT
Tel 01277 222700 Fax 01277 227221
southeast@survey-solutions.co.uk
www.survey-solutions.co.uk
BRENTWOOD NORWICH COVENTRY IPSWICH YEOVIL PERTH
Survey Solutions (South East) is the trading name of Land Survey Solutions (South East) Ltd

NOTE
Trees marked *are indicatively plotted only and should be verified by land surveyor.
Do not scale from this plan

KEY
- category A trees
- category B trees
- category C trees
- category R trees

CLIENT
WSP Environmental & Energy

JOB TITLE
Worthing Hospital
Lyndhurst Road
Worthing, West Sussex

DRAWING TITLE
Tree Survey Plan
SHEET1 OF 4

DRAWING No.
CBA 7245.01

SCALE
1:200@A0

DRAWN
la

DATE
20 Jan 2009

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

CBA Trees
CBA Trees, Bank House, Bank Conlins, Church Lane, Colden Common, Winchester, Hampshire, SO21 1TN
Tel: 01962 713717 Fax: 01962 713431

check GG 21 Jan 2009

T:\Drawings\Current\7245\WORTHING HOSPITAL\Cad Files Drawings\7245-01.dwg, 02 Feb 2009 09:11:29, 210x1(0)00, 1:0.34:1, PDF995, Default



ABBREVIATIONS

AV	Air Valve	FH	Fire Hydrant	SI	Sign Post
AH	Arch Head Height	FL	Floor Level	SP	Arch Spring Point Height
BB	Bellsha Beacon	FP	Flag Pole	SV	Stop Valve
BH	Bore Hole	GG	Gully Grate	SY	Stay
BL	Bed Level	GV	Gas Valve	Tac	Tactile Paving
BO	Bollard	HH	Head Height	TC	Telecom Cover
BrP	Brace Post	IC	Inspection Cover	TH	Trial Pit
BS	Bus Stop	IL	Invert Level	THL	Threshold Level
BU	Bush	KO	Kerb Outlet	TL	Traffic Light
BX	Box (Utilities)	LP	Lamp Post	ToW	Top of Wall
C+Lev	Ceiling Level	MH	Manhole	TP	Telegraph Pole
CH	CB Height	MP	Marker Post	TV	Cable TV Cover
CL	Cover Level	NB	Name Board	UB	Universal Beam
COL	Column	PW	Partition Wall	UC	Unknown Cover
DC	Drainage Channel	PM	Parking Meter	UK	Unknown Tree
DH	Door Head Height	PO	Post	UTL	Unable To Lift
DP	Down Pipe	PB	Post Box	USB	Under Side Beam
DR	Drain	RE	Rodding Eye	VP	Vent Pipe
EL	Eaves Level	RL	Ridge Level	WB	Waste Bin
EP	Electric Pole	RP	Reflector Post	WH	Weep Hole
ER	Earth Rod	RS	Road Sign	WL	Water Level
ET	EPH Transformer	RSD	Roller Shutter Door	WM	Water Meter
FB	Floor Board Direction	RSJ	Rolled Steel Joist	WO	Wash Out

FEATURES

FENCE

WALL

HEDGE — AVERAGE ROOT LINE SHOWN

OVERHEAD LINE — INDICATIVE POSITION OF LINE

MEASUREMENTS TO INTERNAL WALLS HAVE BEEN TAKEN TO THE WALL FINISHES AT APPROX 1m ABOVE FLOOR LEVEL AND ASSUMED TO BE VERTICAL.

FENCE TYPES

B/W	BARBED WIRE	CL	CHAIN LINK	IR	IRON RAILINGS	PR	POST AND RAIL
C/B	CLOSE BOARD	CP	CHESTNUT PALING	Pan	PANEL	PW	POST AND WIRE

SYMBOLS

FLOOR TO CEILING HEIGHT — CONTROL STATION

F/C FLOOR TO FALSE CEILING HEIGHT — Cut COLUMN

CILL HEIGHTS ARE MEASURED AS FLOOR TO CILL
HEAD HEIGHTS ARE MEASURED FROM CILL TO TOP OF WINDOW

SERVICES

FOUL SEWERS — PIPE POSITIONS AND ALIGNMENTS ARE INDICATIVE ONLY.

STORM SEWERS

ALL BELOW GROUND DETAILS INCLUDING DRAINAGE, VOIDS AND SERVICES HAVE BEEN IDENTIFIED FROM ABOVE GROUND AND THEREFORE ALL DETAILS RELATING TO THESE ITEMS ARE FOR GUIDANCE ONLY. SIZES, DEPTH AND POSITIONS WILL BE APPROXIMATE ONLY. ANY CRITICAL DIMENSIONS AND CONNECTIONS SHOULD BE CHECKED AND VERIFIED PRIOR TO STARTING WORK.

SERVICES AND DETAIL MAY NOT HAVE BEEN SURVEYED IF OBSTRUCTED OR NOT REASONABLY VISIBLE AT THE TIME OF SURVEY.

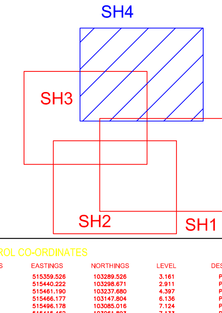
THE CONTRACTOR MUST CHECK AND VERIFY ALL SITE AND BUILDING DIMENSIONS, LEVELS, UTILITIES AND DRAINAGE DETAILS AND CONNECTIONS PRIOR TO COMMENCING WORK.

ALL CRITICAL DIMENSIONS AND MEASUREMENTS SHOULD BE CHECKED AND VERIFIED WITH ANY ERRORS OR DISCREPANCIES NOTIFIED TO SURVEY SOLUTIONS IMMEDIATELY. THE ACCURACY OF THE DIGITAL DATA IS THE SAME AS THE PLOTTING SCALE IMPLIES. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

© LAND SURVEY SOLUTIONS LIMITED HOLD THE COPYRIGHT TO ALL THE INFORMATION CONTAINED WITHIN THIS DOCUMENT AND THEIR WRITTEN CONSENT MUST BE OBTAINED BEFORE COPYING OR USING THE DATA OTHER THAN FOR THE PURPOSE IT WAS ORIGINALLY SUPPLIED.

DO NOT SCALE FROM THIS DRAWING

SHEET LAYOUT



CONTROL CO-ORDINATES

STATIONS	EASTINGS	NORTHINGS	LEVEL	DESCRIPTION
ST01	515359.526	103286.526	2.161	PK Nail
ST02	515442.222	103258.971	2.911	PK Nail
ST03	515461.180	103137.680	4.287	PK Nail
ST04	515484.177	103147.404	5.136	PK Nail
ST05	515498.176	103085.016	7.124	PK Nail
ST06	515473.758	103066.528	8.322	PK Nail
ST07	515384.728	103056.520	6.832	PK Nail
ST08	515373.527	103066.770	6.810	PK Nail
ST09	515382.286	103084.561	6.712	PK Nail
ST10	515326.598	103084.283	5.132	PK Nail
ST11	515310.695	103136.417	6.388	PK Nail
ST12	515402.259	103222.562	5.132	PK Nail
ST13	515447.390	103258.842	5.011	PK Nail
ST14	515447.390	103258.842	5.011	PK Nail
ST40	515364.703	103259.290	3.068	PK Nail
ST41	515367.085	103303.100	3.007	PK Nail
ST42	515404.018	103273.291	3.981	PK Nail
ST43	515404.018	103273.291	3.981	PK Nail
ST45	515369.340	103286.120	3.079	PK Nail
ST50	515439.343	103152.250	5.763	Peg/Nail
ST51	515418.098	103140.701	5.936	PK Nail

THE SURVEY STATIONS LISTED ABOVE ARE ONLY INTENDED TO BE USED FOR TOPOGRAPHICAL SURVEYS AT THE STATED SCALE. ALL CONTROL MUST BE CHECKED AND VERIFIED PRIOR TO USE.

NOTES

1. ORDNANCE SURVEY MASTERMAP GRID COORDINATES HAVE BEEN ESTABLISHED FOR STNS USING GPS AND RELATED TO OSTN02(GB) AND OSGM02(GB). THE GRID IS ORIENTATED TO GRID NORTH, WITH A SCALE FACTOR OF 1.000.

2. ALL LEVELS RELATE TO THE ORDNANCE SURVEY LEVEL DATUM FOR CONTROL STATION ST10 ESTABLISHED WITH GPS USING OSGM02(GB).

3. ALL DIMENSIONS ARE IN METRES.

REV	DESCRIPTION	DRAWN	APPR	DATE

Survey Solutions
Land = Engineering = Architectural

SURVEY SOLUTIONS (South East)
COGHAM HALL, GREAT WARLEY
BRENTWOOD CM13 3JT
Tel 01277 222700 Fax 01277 227221
southeast@survey-solutions.co.uk
www.survey-solutions.co.uk
BRENTWOOD NORWICH COVENTRY IPSWICH YEOVIL PERTH
Survey Solutions (South East) is the trading name of Land Survey Solutions (South East) Ltd

NOTE
Trees marked "are indicatively plotted only and should be verified by land surveyor.
Do not scale from this plan

KEY
- category A trees
- category B trees
- category C trees
- category K trees

CLIENT
WSP Environmental & Energy

JOB TITLE
Worthing Hospital
Lyndhurst Road
Worthing, West Sussex

DRAWING TITLE
Tree Survey Plan
SHEET 4 OF 4

DRAWING No.
CBA 7245.01

SCALE
1:200@A0

DRAWN
lg

DATE
20 Jan 2009

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.

CBA Trees, Jubilee Woods, Farm Centre, Church Lane, Colden Common, Winchester, Hampshire, SO21 1TN.
Tel: 01962 776440 Fax: 01962 713419

ORIGINAL SHEET SIZE A0

Drawing Control:\PROWORKING\HOSPITAL\Dwf\tree Drawings\7245-tch.dwg, 06 Jan 2009 04:, 23/01/2009 09:47:06, PDF995, DO, 1:1


CB1

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 three consultants working from this building, all of varying expertise and qualifications with another consultant working from Cardiff. There is also a team of three trainee consultants/surveyors at varying stages in their training, together with a student from a local college also working from Colden Common.



The team is headed by its Chairman **Colin Bashford** *MBE M.Arb., F.Arbor.A, MAE* who, with over 40 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, but after numerous contacts and offers from the industry, 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 Vice President of the International Society of Arboriculture.



Ken Sheppard, our Senior Consultant, joined CBA Trees as a consultant in November 2005 and works mainly from his office in Cardiff, covering projects throughout the UK. He is a member of the Institute of Chartered Foresters (by examination) and a Fellow of the Arboricultural Association; he also holds the following qualifications relevant to arboriculture:

- Royal Forestry Society Diploma of Arboriculture
- Arboricultural Association Technician's Certificate

Prior to joining CBA Trees, Ken spent a period of eight years as a Tree Preservation Officer with Cardiff City Council. This has provided him with an extensive and varied experience of arboricultural work within the Local Authority field. During the course of this work, he was frequently required to attend Court as an expert witness. His past experience of the commercial sector includes employment with a landscaping company, as well as experience as a groundsman/arboricultural foreman with a local tree surgery company.

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 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.

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 is has recently successfully completed his studies to attain 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.

Our surveying team includes:

Martin Steele spent a year with CBA Trees in 2004 as part of his studies at Myerscough College in Lancashire. Re-joining the company as a Senior Surveyor in 2006, he is now studying towards the Professional Diploma in Arboriculture and already holds the following qualifications relevant to arboriculture:

- Foundation Degree in Science Arboriculture
- National Diploma in Arboriculture
- National Certificate in Arboriculture

Graham Sear joined CBA in November 2005 and had, until that time, worked for several years in the field of tree surgery and as a tree inspector for Local Authorities. Graham is now a Senior Surveyor, undertaking Tree Surveys, Health & Safety Audits. He provides Constraints Advice and undertakes Arboricultural Implications Assessments for our clients. He holds a National Diploma in Arboriculture, and has recently successfully attained the Arboricultural Association Technician's Certificate.

Richard Harris joined CBA Trees in April 2007 as a trainee surveyor after working as a tree surgeon for 8 years both as an employee and in a self-employed capacity. He has now progressed to Consulting Arborist, and is regarded as a mature, well-respected member of staff. He is now responsible for Health & Safety Audits, British Standard Surveys, Constraints Advice, Implication Assessments etc. Richard is now commencing studies to attain the Arboricultural Association Technician's Certificate, and already holds the HND Forestry qualification.

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.

CBA Trees can be found at Apex House, Apex Centre, Church Lane, Colden Common, Winchester, Hampshire SO21 1TN (Tel:01962 715407).

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.