

8.13 ARBORICULTURAL IMPACT ASSESSMENT & ARBORICULTURAL SURVEY



TREE SURVEY REPORT

English Heritage

Site: Marble Hill House & Park



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The Complete Arboricultural Consultancy

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The Professional Arboricultural Consultancy

TREE SURVEY NOTES

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current arboricultural best 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, 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
SM	=	semi-mature trees
EM	=	early mature trees
M	=	mature trees
OM	=	over-mature trees

- 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+ or 40+ years.**

Categorisation of Trees


The category for each tree is assessed using the recommendations of BS5837:2012. 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 U				Identification colour on plan
Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	<ul style="list-style-type: none"> • Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) • Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline • Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality 			DARK RED
Category A	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features	Trees, groups or woodlands, of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	LIGHT GREEN
Category B	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are down-graded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation value or other cultural value	MID BLUE
Category C	1 – Mainly arboricultural values	2 – Mainly landscape values	3 – Mainly cultural values	Identification colour on plan
Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	GREY

Clients are advised that Tree Surveys are a basic data collection exercise and record of tree condition at the time of survey. This 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.

	BS5837:2012 TREE SURVEY REPORT	
	Site:	Marble Hill House and Park
	Date:	25 & 27 October & 02 November 2016
	Consultant:	Stefan Rose <i>BSc (Hons), TechCert (Arbor.A)</i> James Fuller <i>FdSc.Arb, BTEC Nat.Dip.Arb, TechArbor.A</i>
	Tagged:	No

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.
8.
 - a) At this stage the Root Protection Area (RPA) information is for your guidance and ongoing discussion purposes only as it assumes that all but the 'U' grade trees will be retained, which may not be the case.
 - b) 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 4.6.1 of BS5837.2012.
9. Trees marked with * are indicatively plotted on the associated Tree Survey Plan.

TREE PRESERVATION ORDER/CONSERVATION AREA:

CBA Trees has been instructed to investigate whether trees on or adjacent to the site are protected by a Tree Preservation Order or located within a Conservation Area and Richmond Council has confirmed that the site lies within the CA8 Twickenham Riverside Conservation Area but there are no Tree Preservation Orders protecting trees on the site.

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
1	Tree of Heaven <i>Ailanthus altissima</i>	9	S	220	22	2.6	N 4 E 4 S 4 W 3	N 4 E 4 S 4 W 4	Semi-mature	Good	Structural Condition - Fair Developing tree Old pruning wounds Minor deadwood in crown Bark wound on north side of trunk at 1m above ground level occluding	None required at time of survey	20+	C1+2
2	Common Hornbeam <i>Carpinus betulus</i>	5	S	75	3	0.9	N 1 E 1.5 S 1 W 1.5	N 2 E 2 S 2 W 2	Young	Good	Structural Condition - Fair Old pruning wounds Epicormics on trunk Developing tree	None required at time of survey	40+	C2+1
3	Pedunculate Oak <i>Quercus robur</i>	5	S	150	10	1.8	N 3 E 3 S 2.5 W 3	N 1.5 E 1.5 S 1.5 W 1.5	Young	Good	Structural Condition - Fair Bifurcated at 2.5m above ground level Tight forks with included bark Epicormics in crown Developing tree Low hanging branches Minor deadwood in crown Old pruning wounds	Remove secondary leader	40+	B2+1
4	Pedunculate Oak <i>Quercus robur</i>	3	S	80	3	1.0	N 3 E 2.5 S 2.5 W 2.5	N 1 E 1 S 1 W 1	Young	Good	Structural Condition - Good Developing tree Low hanging branches Old pruning wounds	None required at time of survey	40+	C1+2
5	Silver Birch <i>Betula pendula</i>	5	S	100	5	1.2	N 2 E 2 S 2.5 W 2.5	N 1 E 1 S 1 W 1	Young	Good	Structural Condition - Good Developing tree Low hanging branches Good shape and form	None required at time of survey	40+	C1

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6	Sweet Chestnut <i>Castanea sativa</i>	19	S	930	391	11.2	N 8 E 8 S 10 W 8	N 1.5 E 2 S 1.5 W 2	Mature	Good	Structural Condition - Good Epicormics on trunk and in crown Low hanging branches Minor deadwood in crown Old pruning wounds	None required at time of survey	20+	B1+2
7	Pedunculate Oak <i>Quercus robur</i>	18	S	970	426	11.6	N 10 E 9 S 11 W 10	N 1.5 E 2 S 2 W 2	Mature	Good	Structural Condition - Good Large surface roots Exposed surface roots Epicormics in crown Major deadwood in crown	Remove major deadwood	40+	A1
8	Pedunculate Oak <i>Quercus robur</i>	16	S	1000	452	12.0	N 7.5 E 9 S 8 W 9	N 4 E 5 S 5 W 5	Mature	Good	Structural Condition - Fair Bifurcated at 5.0m above ground level Epicormics in crown Major deadwood in crown Old pruning wounds Bark wounds Branch tear out wounds and wildlife holes on main scaffold branches on trunk	Climbing inspection Remove major deadwood	20+	B1+2 Interim
9	Robinia <i>Robinia pseudoacacia</i>	15	S	990	443	11.9	N 9 E 3 S 4 W 6	N 4 E 3 S 6 W 3	Mature	Fair	Structural Condition - Fair Major deadwood in crown Old pruning wounds Previously crown reduced Crown shape distorted due to group pressure Dessicated fungal fruiting body at base Bifurcated at 3m above ground level	None required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
10	<i>Robinia pseudoacacia</i>	21	S	830	312	10.0	N 5 E 5 S 4 W 4	N 3 E 3 S 3 W 3	Mature	Good	Structural Condition - Fair Previously crown reduced Old pruning wounds Minor deadwood in crown Epicormics on trunk and in crown Crown shape distorted due to group pressure	None required at time of survey	10+	C1+2
11	<i>Atlas Cedar Cedrus atlantica Blue Atlas Cedar</i>	14	S	620	174	7.4	N 8 E 8.5 S 8 W 8	N 1 E 1 S 1 W 1	Early Mature	Good	Structural Condition - Fair Minor deadwood in crown Low hanging branches Numerous branch tears on trunk Upper crown shape distorted due to lost branches	None required at time of survey	20+	B1
12	<i>Common Horse Chestnut Aesculus hippocastanum</i>	21	S	990	443	11.9	N 7 E 7 S 8 W 7	N 5 E 6 S 6 W 6	Mature	Fair	Structural Condition - Fair Epicormics on trunk and in crown Old pruning wounds Previously crown reduced Bifurcated at 13m above ground level Minor deadwood in crown	None required at time of survey	20+	B1+2
13	<i>Sycamore Acer pseudoplatanus</i>	20	S	1000	452	12.0	N 4 E 5 S 5 W 3	N 8 E 7 S 8 W 8	Mature	Fair	Structural Condition - Fair Basal suckers Epicormics on trunk and in crown Old pruning wounds Previously crown reduced Crown shape distorted Old pruning wounds on trunk and in crown Large wound on trunk to south-west side at 4m above ground level with decay present	Climbing inspection of large wound	10+	C1+2 Interim

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
14	<i>Robinia pseudoacacia</i>	14	S	860	-	-	N 6 E 7 S 7 W 7	N 4 E 4 S 4 W 4	Early Mature	Good	Structural Condition - Poor Minor deadwood in crown Old pruning wounds Polyporous squimosus fungal fruiting bodies on trunk Branch tears in crown	Advise removal	<10	U
15	Flowering Cherry <i>Prunus sp.</i>	4	S	200 140	18	2.4	N 3.5 E 3 S 3 W 3	N 2 E 2 S 2 W 2	Early Mature	Good	Structural Condition - Fair Bifurcated at 1.2m above ground level Bark wounds Low hanging branches Minor deadwood in crown Old pruning wounds Grafted at 1.0m above ground level	None required at time of survey	20+	B1+2
16	Common Yew <i>Taxus baccata</i>	11	S	910	375	10.9	N 6.5 E 6 S 6.5 W 6	N 3 E 2.5 S 2.5 W 2.5	Mature	Good	Structural Condition - Good Epicormics in crown Minor deadwood in crown Ground compaction around base	None required at time of survey	40+	A1+2
17	Common Lime <i>Tilia europaea</i>	19	S	980	434	11.8	N 6 E 4 S 8 W 7	N 2 E 3 S 1.5 W 1.5	Mature	Good	Structural Condition - Good Large buttress roots Minor deadwood in crown Low hanging branches Crown shape distorted due to group pressure	None required at time of survey	20+	B1+2

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18	Common Lime <i>Tilia europaea</i>	16	S	970	426	11.6	N 5 E 9 S 9 W 2	N 2 E 2 S 1 W 2	Mature	Good	Structural Condition - Fair Bifurcated at 2.0m above ground level Basal suckers Epicormics on trunk and in crown Low hanging branches Minor deadwood in crown Old pruning wounds Trunk shape distorted due to group pressure Previously crown reduced Leans east	None required at time of survey	10+	C1+2
19	Flowering Cherry <i>Prunus sp.</i>	4	S	190	16	2.3	N 3 E 3 S 3 W 3	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Good Multi-stemmed at 2m above ground level	None required at time of survey	20+	C1
20	Flowering Cherry <i>Prunus sp.</i>	6	S	180	15	2.2	N 3 E 2 S 3 W 2	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Fair Minor deadwood in crown Tight forks with included bark Multi-stemmed at 1.75m above ground level	None required at time of survey	20+	C1+2
21	Common Elder <i>Sambucas nigra</i>	6	MS x 6	120	-	-	N 4 E 0.5 S 3 W 1.5	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Poor Multi-stemmed at ground level Bark necrosis on stems	Advise removal	<10	U
22	Sycamore <i>Acer pseudoplatanus</i>	11	MS	240 250	54	4.2	N 5 E 3.5 S 4.5 W 2	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Fair Bifurcated at 1.0m above ground level Crown shape distorted due to group pressure Epicormics in crown Low hanging branches Minor deadwood in crown Weighted east	None required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
23	Pedunculate Oak <i>Quercus robur</i>	8	S	350	55	4.2	N 5.5 E 5.5 S 5.5 W 1	N 2 E 1.5 S 1.5 W 2	Semi-mature	Good	Structural Condition - Good Crown shape distorted due to group pressure Minor deadwood in crown Multi-stemmed at 2m above ground level	None required at time of survey	40+	B1+2
24	Common Ash <i>Fraxinus excelsior</i>	13	S	330	49	4.0	N 6 E 4 S 5 W 5	N 3 E 3 S 2 W 2	Semi-mature	Good	Structural Condition - Good Crown shape distorted due to group pressure Low hanging branches Minor deadwood in crown	None required at time of survey	20+	B1+2
25	Flowering Cherry <i>Prunus sp.</i>	4	S	400	72	4.8	N 6 E 4.5 S 8 W 7	N 2 E 2 S 1.5 W 2	Early Mature	Good	Structural Condition - Fair Large buttress roots Minor deadwood in crown Crown shape distorted due to group pressure Low hanging branches Old pruning wounds Multi-stemmed at 1.5m above ground level	None required at time of survey	10+	C1+2
26	Holm Oak <i>Quercus ilex</i>	9	S	530	127	6.4	N 7 E 7 S 7 W 7	N 2 E 2 S 2 W 2	Early Mature	Good	Structural Condition - Fair Epicormics in crown Minor deadwood in crown Old pruning wounds Multi-stemmed at 4.0m above ground level	None required at time of survey	20+	B1+2
27	Red Oak <i>Quercus rubra</i>	15	S	830	312	10.0	N 9 E 9 S 10 W 9	N 4 E 2 S 2 W 2	Mature	Good	Structural Condition - Good Large buttress roots Old pruning wounds Minor deadwood in crown	None required at time of survey	40+	A1+2

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28	Common Walnut <i>Juglans regia</i>	7	S	350	55	4.2	N 6 E 6 S 6.5 W 6	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Good Bifurcated at 3.0m above ground level Low hanging branches Minor deadwood in crown Old pruning wounds	None required at time of survey	20+	B1+2
29	London Plane <i>Platanus x hispanica</i>	22	S	1320	707	15	N 11 E 7 S 12 W 12	N 2 E 4 S 1.5 W 1.5	Mature	Good	Structural Condition - Good Major deadwood in crown Low hanging branches Old pruning wounds	Remove deadwood	40+	A1+2
30	London Plane <i>Platanus x hispanica</i>	14	S	1220	673	14.6	N 9 E 8 S 9 W 7	N 4 E 4 S 3 W 4	Mature	Fair	Structural Condition - Fair Crown shape distorted due to group pressure Major deadwood in crown Old pruning wounds Cavity at base on east side	Full ground level inspection using decay detection equipment Remove major deadwood	20+	B1+2 Interim
31	Honey Locust <i>Gleditsia triacanthos</i>	14	S	570	147	6.8	N 8 E 8 S 7 W 9	N 3 E 2.5 S 2.5 W 2	Mature	Good	Structural Condition - Fair Bifurcated at 3.5m above ground level Major deadwood in crown Old pruning wounds Mechanical damage to surface roots	None required at time of survey	20+	B1+2
32	Turkey Oak <i>Quercus cerris</i>	15	S	640	185	7.7	N 7.5 E 9 S 9 W 10.5	N 3 E 4 S 2 W 3	Early Mature	Good	Structural Condition - Fair Exposed surface roots Tight forks with included bark Major deadwood in crown Crown shape distorted due to group pressure Bifurcated at 2m above ground level Bark wounds on under side of branches to west	Remove major deadwood	20+	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
33	London Plane <i>Platanus x hispanica</i>	20	S	1750	707	15	N 11 E 9 S 11 W 10	N 2 E 4 S 3 W 5	Mature	Good	Structural Condition - Good Boundary line tree Ivy on trunk Major deadwood in crown Crown shape distorted due to group pressure	Remove major deadwood	40+	A1+2
34	London Plane <i>Platanus x hispanica</i>	22	S	1650	707	15	N 17 E 14 S 11 W 6	N 3 E 3 S 4 W 3	Mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Epicormics in crown Minor deadwood in crown Old pruning wounds Leans and weighted east	None required at time of survey	40+	B1+2
35	Common Ash <i>Fraxinus excelsior</i>	20	S	1190	641	14.3	N 8 E 11.5 S 11 W 7	N 4 E 3 S 2 W 6	Mature	Good	Structural Condition - Fair Boundary line tree Previously pollarded Minor deadwood in crown Crown shape distorted due to group pressure Branch tears in crown Cavities in crown	None required at time of survey	20+	B1+2
36	London Plane <i>Platanus x hispanica</i>	16	S	2000	707	15	N 17 E 15 S 14 W 13	N 0 E 1 S 2 W 0	Mature	Good	Structural Condition - Good Minor deadwood in crown Low hanging branches Boundary line tree	None required at time of survey	40+	A1+2
37	Silver Maple <i>Acer saccharinum</i>	18	S	1210	662	14.5	N 15 E 16 S 5 W 9	N 0 E 2 S 3 W 2	Mature	Good	Structural Condition - Fair Trunk and crown shape distorted Low hanging branches Ganoderma fungal fruiting body at base on south-east side Bifurcated at 3m above ground level	Full ground level inspection using decay detection equipment	20+	B1+2 Interim

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
38	London Plane <i>Platanus x hispanica</i>	18	S	1650	707	15	N 13 E 13 S 12 W 16	N 2 E 2 S 2 W 1.5	Mature	Good	Structural Condition - Good Major deadwood in crown Low hanging branches Old pruning wounds Dead hanging branch over footpath on south-east side	Remove major deadwood	40+	A1+2
39	Black Walnut <i>Juglans nigra</i>	25	S	1900	707	15	N 18 E 18 S 14 W 17	N 0.5 E 0.5 S 0.5 W 1.5	Over Mature	Good	Structural Condition - Fair Branch tearout wound Old pruning wounds Major deadwood in crown Fenced off area around tree Cavities in crown Cobra bracing in crown	None required at time of survey	40+	A1+3
40	Common Lime <i>Tilia europaea</i>	8	S	310	43	3.7	N 5 E 3 S 4 W 4.5	N 1 E 1.5 S 2 W 1.5	Semi-mature	Good	Structural Condition - Fair Bifurcated at 3.0m above ground level Epicormics in crown Low hanging branches Minor deadwood in crown	None required at time of survey	10+	C1+2
41	Common Lime <i>Tilia europaea</i>	21	S	700	222	8.4	N 9 E 5 S 6 W 7	N 1 E 1 S 3 W 2	Early Mature	Good	Structural Condition - Fair Bifurcated at 5.0m above ground level Epicormics on trunk and in crown Crown shape distorted due to group pressure Previously crown reduced Old pruning wounds Minor deadwood in crown Low hanging branches	None required at time of survey	20+	B1+2

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42	Common Lime <i>Tilia europaea</i>	21	S	810	297	9.7	N 10 E 6 S 8 W 9	N 1.5 E 2 S 2 W 1.5	Mature	Good	Structural Condition - Good Crown shape distorted due to group pressure Minor deadwood in crown Low hanging branches Old pruning wounds Previously crown reduced Epicormics on trunk Branch tears in crown Dead hanging branch in crown on east side over footpath	Remove major deadwood	20+	B1+2
43	Pedunculate Oak <i>Quercus robur</i>	21	S	1470	707	15	N 8 E 8 S 12.5 W 10	N 0 E 0.5 S 0 W 0	Mature	Good	Structural Condition - Fair Major deadwood in crown Branch tear Old pruning wounds Low hanging branches Large cavity at base on south-east side Wildlife holes throughout Dessicated fungi in crown to south around wildlife holes	Full ground level inspection using decay detection equipment	40+	A1 Interim
44	Common Lime <i>Tilia europaea</i>	15	S	470	100	5.6	N 5 E 5 S 5 W 5.5	N 1.5 E 1 S 1.5 W 1.5	Early Mature	Good	Structural Condition - Fair Epicormics on trunk and in crown Bifurcated at 5.0m above ground level Low hanging branches Minor deadwood in crown Old pruning wounds	None required at time of survey	20+	B1+2
45	Common Ash <i>Fraxinus excelsior</i>	14	S	480	104	5.8	N 6 E 6 S 6 W 7	N 2 E 2 S 2 W 2	Early Mature	Good	Structural Condition - Fair Bifurcated at 4.0m above ground level Epicormics in crown Minor deadwood in crown Low hanging branches Old pruning wounds	None required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
46	Birch 'Youngii' <i>Betula youngii</i>	3	S	230	-	-	N 2.5 E 1 S 4 W 5	N 1.5 E 2 S 2 W 1	Dead	Dead	Structural Condition - Fair Dead tree Trunk and crown shape distorted	Advise removal	<10	U
47	Common Yew <i>Taxus baccata</i>	7	MS	200 170 250 200 190	78	5.0	N 5 E 5 S 3 W 4	N 2 E 2 S 3 W 1.5	Early Mature	Good	Structural Condition - Fair Multi stemmed at ground level Epicormics on trunk and in crown Old pruning wounds Minor deadwood in crown Low hanging branches Wall to south	None required at time of survey	10+	C1+2
48	Holm Oak <i>Quercus ilex</i>	20	S	820	304	9.8	N 8 E 6 S 11 W 6	N 3 E 5 S 4 W 4	Mature	Good	Structural Condition - Good Crown shape distorted Minor deadwood in crown Old pruning wounds Multi-stemmed at 4.0m above ground level Previously crown reduced on east side away from main house	None required at time of survey	40+	B1
49	Birch 'Youngii' <i>Betula youngii</i>	3	S	340	52	4.1	N 3.5 E 6.5 S 5 W 4.5	N 0 E 0 S 0 W 0	Early Mature	Good	Structural Condition - Good Crown shape distorted Low hanging branches Old pruning wounds Multi-stemmed at 2.0m above ground level	None required at time of survey	20+	C1

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
50	Common Elder <i>Sambucus nigra</i>	4	MS	120 100 100 160 130	35	3.3	N 3 E 5 S 2 W 1	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Minor deadwood in crown Poor quality tree Poor shape and form Multi-stemmed at ground level Growing in car park from base of wall Stem and crown shape distorted Biased to east	None required at time of survey	10+	C1
51*	Common Yew <i>Taxus baccata</i>	7	S	240	26	2.9	N 3 E 3 S 3 W 3	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Good Offsite tree Old pruning wounds Crown shape distorted due to group pressure Epicormics on trunk and in crown Low hanging branches Minor deadwood in crown	None required at time of survey	20+	B1+2
52*	Sycamore <i>Acer pseudoplatanus</i>	10	S	550	137	6.6	N 4 E 4 S 4 W 4	N 4 E 4 S 3 W 3	Early Mature	Good	Structural Condition - Fair Offsite tree Unable to verify health and safety due to no access Boundary line tree Minor deadwood in crown Old pruning wounds Previously crown reduced Wall between tree and site	Gain access and resurvey within 1 month	20+	C1+2 Interim

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
53	Common Hornbeam <i>Carpinus betulus</i>	13	S	490	109	5.9	N 6.5 E 4 S 4.5 W 8	N 4.5 E 4 S 3 W 4	Early Mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Epicormics on trunk and in crown Low hanging branches Major deadwood in crown Bifurcated at 4.5m above ground level Old pruning wounds Weighted west	Remove major deadwood	20+	C1+2
54	Common Hornbeam <i>Carpinus betulus</i>	18	S	620	174	7.4	N 6 E 2 S 8 W 7	N 6 E 5 S 5 W 5	Early Mature	Good	Structural Condition - Good Ivy on trunk Crown shape distorted due to group pressure Minor deadwood in crown Old pruning wounds Previously crown reduced	None required at time of survey	40+	B1+2
55	Common Hornbeam <i>Carpinus betulus</i>	18	S	570	147	6.8	N 7 E 7 S 4 W 4	N 6 E 4 S 5 W 4	Early Mature	Good	Structural Condition - Good Epicormics on trunk Old pruning wounds Crown shape distorted due to group pressure Minor deadwood in crown Multi-stemmed at 5.0m above ground level	None required at time of survey	40+	B1+2
56	Common Hornbeam <i>Carpinus betulus</i>	9	S	330	49	4.0	N 4 E 4 S 3 W 5	N 4 E 3 S 3 W 3	Semi-mature	Fair	Structural Condition - Fair Crown shape distorted due to group pressure Epicormics on trunk and in crown Previously crown reduced Old pruning wounds	None required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
57	Common Hornbeam <i>Carpinus betulus</i>	17	S	550	137	6.6	N 6 E 6 S 6 W 5	N 5 E 2.5 S 4 W 5	Early Mature	Good	Structural Condition - Fair Bifurcated at 4.5m above ground level Tight forks with included bark Old pruning wounds Minor deadwood in crown	None required at time of survey	20+	B1+2
58	Common Horse Chestnut <i>Aesculus hippocastanum</i>	18	S	760	261	9.1	N 5 E 7 S 8 W 7	N 2 E 2 S 2 W 2	Early Mature	Fair	Structural Condition - Fair Part of linear group Crown shape distorted due to group pressure Old pruning wounds Bleeding canker on stem Guignadia and camararia on foliage	None required at time of survey	20+	B1+2
59	Common Horse Chestnut <i>Aesculus hippocastanum</i>	19	S	1110	557	13.3	N 6 E 8 S 9 W 9	N 5 E 4 S 3 W 4	Mature	Fair	Structural Condition - Fair Bifurcated at 5.0m above ground level Epicormics on trunk and in crown Old pruning wounds Previously crown reduced Tight forks with included bark Minor deadwood in crown	None required at time of survey	10+	C1+2
60	Common Horse Chestnut <i>Aesculus hippocastanum</i>	16	S	580	152	7.0	N 3 E 5 S 6 W 5	N 4 E 2 S 2 W 2	Early Mature	Fair	Structural Condition - Fair Part of linear group Old pruning wounds Crossing branches Crown shape distorted due to group pressure Minor deadwood in crown Multi-stemmed at 2m above ground level	None required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
61	Common Walnut <i>Juglans regia</i>	17	S	580	152	7.0	N 10 E 12 S 11 W 5	N 1 E 1 S 1 W 1	Early Mature	Good	Structural Condition - Good Crown shape distorted due to group pressure Low hanging branches Minor deadwood in crown Suppressed by T39	None required at time of survey	40+	A1+2
62	Common Lime <i>Tilia europaea</i>	12	S	500	113	6.0	N 6 E 5 S 6 W 3	N 2 E 2 S 2 W 2	Early Mature	Good	Structural Condition - Good Epicormics on trunk and in crown Crown shape distorted due to group pressure Minor deadwood in crown Old pruning wounds Car park edge tree	None required at time of survey	20+	B1+2
63	Common Lime <i>Tilia europaea</i>	14	S	570	147	6.8	N 5 E 3 S 5 W 5	N 3 E 2 S 2 W 2	Early Mature	Good	Structural Condition - Good Epicormics on trunk and in crown Major deadwood in crown Car park edge tree	Remove major deadwood	40+	B1+2
64	Norway Maple <i>Acer platanoides</i>	12	S	540	132	6.5	N 4 E 5 S 5.5 W 5	N 5 E 4 S 3 W 3	Early Mature	Fair	Structural Condition - Fair Bark wound Old pruning wounds Previously crown reduced Growing within car park Roots lifting tarmac Bifurcated at 4.0m above ground level Top previously removed	None required at time of survey	10+	C1
65	Turkey Oak <i>Quercus cerris</i>	20	S	1480	707	15	N 13 E 12 S 13 W 13	N 1 E 1 S 1 W 1	Mature	Good	Structural Condition - Good Large buttress roots Major deadwood in crown Low hanging branches Old pruning wounds Epicormics in crown	Remove major deadwood	40+	A1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
66	Common Lime <i>Tilia europaea</i>	24	S	1070	518	12.8	N 7 E 9 S 7 W 8	N 4 E 5 S 5 W 4	Mature	Good	Structural Condition - Fair Basal suckers Epicormics on trunk and in crown Low hanging branches Minor deadwood in crown Old pruning wounds	None required at time of survey	20+	B1+2
Grp 1	Lime Pedunculate Oak Ash Holly Tree of Heaven Hornbeam False Acacia Beech	15	S	See below	See below	See below	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Epicormics on trunk and in crown Low hanging branches Minor deadwood in crown Old pruning wounds Tall and etiolated due to group pressure Trunk shape distorted due to group pressure	None required at time of survey	20+	B1+2
G1.1	Ash	-	S	390	69	4.7	-	-	Semi-mature	-	Major deadwood	-	-	B1+2
G1.2	Common Horse Chestnut	-	S	820	304	9.8	-	-	Early Mature	-	Guignardia and Camararia on foliage Old pruning wounds in crown Crown shape distorted	-	-	B1+2
G1.3	Common Hornbeam	-	S	530	127	6.4	-	-	Early Mature	-	Trunk and crown shape distorted Minor deadwood Low hanging branches	-	-	B1+2
G1.4	Common Hornbeam	-	S	430	84	5.2	-	-	Early Mature	-	Bark wounds on trunk Crown shape distorted Low hanging branches	-	-	B1+2
G1.5	Manna Ash	-	S	420	80	5.0	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G1.6	Lombardy Poplar	-	S	590	157	7.1	-	-	Early Mature	-	-	-	-	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G1.7	Lombardy Poplar	-	S	270	33	3.2	-	-	Semi-mature	-	-	-	-	C1+2
G1.8	Norway Maple	-	S	240	26	2.9	-	-	Semi-mature	-	Low hanging branches	-	-	C1+2
G1.9	Sweet Chestnut	-	S	1270	707	15	-	-	Mature	-	Previously topped Basal suckers and epicormic growth form crown Major bark wounds on trunk	Reduce canopy spread within 3 years	-	C1+2+3
G1.10	Pedunculate Oak	-	S	610	168	7.3	-	-	Early Mature	-	-	-	-	B1+2
G1.11	Pedunculate Oak	-	S	510	118	6.1	-	-	Early Mature	-	Low hanging branches Multi-stemmed at 3.0m above ground level m	-	-	B1+2
G1.12	Sycamore	-	S	560	142	6.7	-	-	Early Mature	-	Root severance on north side Previously pollarded	-	-	C1+2
G1.13	Holm Oak	-	S	470	100	5.6	-	-	Early Mature	-	Trunk and crown shape distorted Exudate on trunk to south side	-	-	B1+2
G1.14	Sycamore	-	S	570	147	6.8	-	-	Mature	-	-	-	-	C1+2
G1.15	Sycamore	-	S	590	157	7.1	-	-	Early Mature	-	Crown shape distorted	-	-	C1+2
G1.16	Common Holly	-	S	270	33	3.2	-	-	Early Mature	-	Leans east Bifurcated at 2.1m above ground level	-	-	C1+2
G1.17	Common Holly	-	MS	310 360	102	5.7	-	-	Mature	-	Bifurcated at ground level Tight forks with included bark	-	-	C1+2
G1.18	Common Horse Chestnut	-	S	760	261	9.1	-	-	Early Mature	-	Exudate on trunk Bifurcated at 2.5m Guignardia and camararia on foliage	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G1.19	Common Ash	-	S	460	96	5.5	-	-	Early Mature	-	Branch tears in crown Low hanging branches Minor deadwood Old pruning wounds	-	-	C1+2
G1.20	Pedunculate Oak	-	S	760	261	9.1	-	-	Mature	-	Major deadwood in crown	Remove deadwood	-	B1+2
G1.21	Sycamore	-	S	680	209	8.2	-	-	Early Mature	-	Large buttress roots Cavities in trunk at 5.0m, 7.0m and 9.0m above ground level on north-west side Previously topped	-	-	C1+2
G1.22	Common Horse Chestnut	-	S	680	209	8.2	-	-	Early Mature	-	Branch tear on trunk Desire line under canopy Guignadia and camararia on foliage	-	-	C1+2
G1.23	Common Horse Chestnut	-	S	570	147	6.8	-	-	Early Mature	-	Guignadia and camararia on foliage Low hanging branches	-	-	B1+2
G1.24	Common Horse Chestnut	-	S	800	290	9.6	-	-	Early Mature	-	Bifurcated at 3.0m above ground level Guignadia and camararia on foliage	-	-	C1+2
G1.25	Common Horse Chestnut	-	S	740	248	8.9	-	-	Early Mature	-	Guignadia and camararia on foliage	-	-	C1+2
G1.26	Flowering Cherry	-	S	230	24	2.8	-	-	Semi-mature	-	-	-	-	B1+2
G1.27	Common Lime	-	S	910	375	10.9	-	-	Mature	-	Basal suckers Epicormics on trunk and in crown Old pruning wounds on trunk Deadwood in crown	Remove deadwood	-	C2+1
G1.28	Ash	-	S	300	41	3.6	-	-	Semi-mature	-	Bifurcated at 7.0m above ground level	-	-	B1+2
G1.29	Ash	-	S	460	96	5.5	-	-	Early Mature	-	Bifurcated at 2m above ground level Old pruning wounds on trunk Deadwood in crown	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G1.30	Common Ash	-	S	280	35	3.4	-	-	Semi-mature	-	Desire line to north-east Bifurcated at 2.0m above ground level Low hanging branches	-	-	C1+2
G1.31	Variegated Holly	-	S	400	72	4.8	-	-	Mature	-	Bifurcated at 5.0m above ground level	-	-	C1+2
G1.32	Common Yew	-	S	680	209	8.2	-	-	Semi-mature	-	Mechanical damage to exposed surface roots Bark wound on trunk Bifurcated at 1.6m above ground level Low hanging branches	-	-	B1+2
G1.33	Common Yew	-	S	340	52	4.1	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G1.34	Sycamore	-	S	670	203	8.0	-	-	Early Mature	-	Large buttress roots Desire line to south Low hanging branches	-	-	B1+2
G1.35	Sycamore	-	S	370	62	4.4	-	-	Early Mature	-	Low hanging branches	-	-	C1+2
G1.36	Common Beech	-	S	930	391	11.2	-	-	Mature	-	Low hanging branches Old pruning wounds in crown Bifurcated at 8.0m above ground level	-	-	B1+2
G1.37	Sycamore	-	S	760	261	9.1	-	-	Early Mature	-	Trunk and crown shape distorted Bifurcated at 4m above ground level Cavities in crown	-	-	B1+2
G1.38*	Sweetgum	-	S	310	43	3.7	-	-	Semi-mature	-	Trunk shape distorted Low hanging branches	-	-	C1+2
G1.39	Whitebeam	-	S	400	72	4.8	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G1.40	Pedunculate Oak	-	S	100	5	1.2	-	-	Young	-	Developing tree	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G1.41	Sycamore	-	MS	90 70	6	1.4	-	-	Young	-	Basal suckers Low hanging branches Bifurcated at 1.2m above ground level Squirrel damage in crown	-	-	C1+2
G1.42	Highclere Holly	-	S	240	26	2.9	-	-	Semi-mature	-	-	-	-	C1+2
G1.43	Robinia	-	S	230	24	2.8	-	-	Semi-mature	-	Trifurcated at 4.5m above ground level	-	-	C1+2
G1.44*	Robinia	-	S	310	43	3.7	-	-	Semi-mature	-	Trifurcated at 1.6m above ground level Low hanging branches	-	-	C1+2
G1.45	Common Hornbeam	-	S	510	118	6.1	-	-	Mature	-	Low hanging branches Leans north-east Bark wound at base on north-west side	-	-	C1+2
G1.46	Common Holly	-	S	440	88	5.3	-	-	Mature	-	-	-	-	C1+2
G1.47	Common Lime	-	S	770	268	9.2	-	-	Mature	-	Low hanging branches Epicormics on trunk and in crown Large old pruning wounds on trunk	-	-	B1+2
G1.48	Common Holly	-	MS	320 200	64	4.5	-	-	Mature	-	Bifurcated at 1m above ground level Low hanging branches	-	-	C1+2
G1.49*	Robinia	-	MS	30 40	1	0.6	-	-	Young	-	Bifurcated at ground level Natural regeneration	-	-	C1
G1.50	Tree of Heaven	-	S	80	3	1.0	-	-	Young	-	Developing tree	-	-	C1
G1.51	Robinia	-	S	100	5	1.2	-	-	Young	-	Bifurcated at 2.5m above ground level Tight forks with included bark	-	-	C1
G1.52	Common Elder	-	MS x 7	120	46	3.8	-	-	Semi-mature	-	Multi-stemmed at ground level	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G1.53	Robinia	-	MS	380 400	138	6.6	-	-	Early Mature	-	Young developing trees at base, Bifurcated at ground level South-east side stem has cavity at base on north side	-	-	C1+2
G1.54	Common Elder	-	MS x 6	190	98	5.6	-	-	Semi-mature	-	Multi-stemmed at ground level	-	-	C1+2
G1.55	Sycamore	-	S	120	-	-	-	-	Young	-	Trunk and crown shape distorted Squirrel damage on trunk	Advise removal	-	U
G1.56	Robinia	-	S	230	24	2.8	-	-	Semi-mature	-	-	-	-	C1+2
G1.57	Common Yew	-	MS	100 100	9	1.7	-	-	Young	-	Bifurcated at ground level Low hanging branches	-	-	C1+2
G1.58	Bay	-	S	100	5	1.2	-	-	Young	-	Trunk and crown shape distorted Low hanging branches	-	-	C1+2
G1.59	Common Elder	-	MS x 9	190	-	-	-	-	Early Mature	-	Multi-stemmed at ground level Major deadwood	Advise removal	-	U
G1.60	Common Yew	-	S	80	3	1.0	-	-	Young	-	Developing tree	-	-	C1+2
G1.61	Common Lime	-	S	1060	508	12.7	-	-	Mature	-	Basal suckers Bifurcated at 2.5m above ground level Major deadwood in crown	Remove deadwood	-	B1+2
G1.62	Common Holly	-	S	450	92	5.4	-	-	Early Mature	-	Low hanging branches	-	-	C1+2
G1.63	Sycamore	-	S	540	132	6.5	-	-	Early Mature	-	Cavities in trunk Exudate on trunk Previously topped	-	-	C1+2
G1.64	Common Hornbeam	-	S	560	142	6.7	-	-	Mature	-	Low hanging branches	-	-	B1+2
G1.65	Manna Ash	-	S	320	46	3.8	-	-	Semi-mature	-	Multi-stemmed at 2m above ground level	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G1.66	Common Ash	-	S	240	26	2.9	-	-	Semi-mature	-	Low hanging branches	-	-	C1+2
G1.67	Tree of Heaven	-	S	660	197	7.9	-	-	Mature	-	Bifurcated at 8m above ground level Low hanging branches	-	-	B1+2
G1.68	Common Horse Chestnut	-	S	820	304	9.8	-	-	Mature	-	Roots lifting tarmac to south-west Exudate on trunk Multi-stemmed at 2m above ground level	-	-	B1+2
G1.69	Common Hornbeam	-	S	110	5	1.3	-	-	Young	-	Developing tree Low hanging branches	-	-	C1+2
G1.70	Common Lime	-	S	560	142	6.7	-	-	Early Mature	-	Large buttress roots	-	-	A1+2
Grp 2	Killarney Strawberry Tree Sweet Chestnut Tree of Heaven Pedunculate Oak Red Oak Pin Oak Rowan Elm Common Lime Holm Oak Hornbeam Hawthorn Robinia	3	S	90	4	1.1	N - E - S - W -	N - E - S - W -	Young	Good	Structural Condition - Good Newly planted trees Stakes and ties still in place Some dead trees Some memorial trees	Remove dead trees	40+	C2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 3	Holly Cherry Laurel Sycamore Horse Chestnut Yew Elder	15	S	See below	See below	See below	N - E - S - W -	N - E - S - W -	Mature	Good	Structural Condition - Fair Branch tearout wounds Crown shapes distorted due to group pressure Trunk shapes distorted due to group pressure Old pruning wounds Minor deadwood in crowns Low hanging branches Ivy on trunks Epicormics on trunks and in crowns	None required at time of survey	20+	B1+2
G3.1*	Pedunculate Oak	-	S	500	113	6.0	-	-	Early Mature	-	Ivy on trunk and in crown Crown shape distorted Previously crown reduced	-	-	B1+2
G3.2	Sycamore	-	S	690	215	8.3	-	-	Early Mature	-	Bifurcated at 8m above ground level	-	-	B1+2
G3.3	Common Horse Chestnut	-	S	600	163	7.2	-	-	Early Mature	-	Trunk and crown shape distorted Leans to north-west	-	-	C1+2
G3.4*	Common Horse Chestnut	-	S	860	335	10.3	-	-	Mature	-	Possible lightning strike running down trunk	-	-	C1+2
G3.5*	Sycamore	-	S	570	147	6.8	-	-	Early Mature	-	Squirrel damage in crown	-	-	C1+2
G3.6*	Sycamore	-	S	300	41	3.6	-	-	Semi-mature	-	Tall and etiolated due to group pressure Bifurcated at 7m above ground level	-	-	C1+2
G3.7*	Common Horse Chestnut	-	S	370	62	4.4	-	-	Early Mature	-	-	-	-	C1+2
G3.8*	Sycamore	-	S	560	142	6.7	-	-	Mature	-	Bifurcated at 7m above ground level	-	-	C1+2
G3.9*	Common Horse Chestnut	-	S	590	157	7.1	-	-	Early Mature	-	Poor quality tree Branch tears in crown Previously crown reduced	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G3.10*	Common Horse Chestnut	-	S	410	76	4.9	-	-	Early Mature	-	Poor quality tree Branch tears in crown	-	-	C1+2
G3.11*	Common Horse Chestnut	-	S	790	282	9.5	-	-	Mature	-	Minor deadwood Old pruning wounds	-	-	B1+2
G3.12	Common Lime	-	S	350	55	4.2	-	-	Early Mature	-	Apical dieback Major deadwood in crown Basal suckers	Remove major deadwood	-	C1+2
G3.13	Common Lime	-	S	770	268	9.2	-	-	Mature	-	Trunk shape distorted	-	-	B1+2
G3.14	Sycamore	-	S	600	163	7.2	-	-	Early Mature	-	Exudate on trunk Appears as though main trunk has previously failed at 4m above ground level Two lateral branches grow from side of old pruning wound	Aerial inspection of old wound – within 1 month	-	C1+2 Interim
G3.15	Common Yew	-	S	370	62	4.4	-	-	Early Mature	-	Leans west	-	-	C1+2
G3.16	Sycamore	-	S	670	203	8.0	-	-	Early Mature	-	Crown shape distorted	-	-	B1+2
G3.17	Sycamore	-	S	610	168	7.3	-	-	Mature	-	Basal decay on west side Cavity at 1.5m above ground level on east side of trunk	-	-	C1+2
G3.18*	Sycamore	-	S	700	222	8.4	-	-	Early Mature	-	Trunk and crown shape distorted	-	-	B1+2
G3.19	Common Horse Chestnut	-	S	360	-	-	-	-	Early Mature	-	Longitudinal decay down trunk	Advise removal	-	U
G3.20	Common Horse Chestnut	-	S	520	122	6.2	-	-	Early Mature	-	Leans north	-	-	C1+2
G3.21	Sycamore	-	S	540	-	-	-	-	Mature	-	Topped standing stump	Advise removal	-	U

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G3.22*	Sycamore	-	S	450	92	5.4	-	-	Early Mature	-	Trunk and crown shape distorted	-	-	C1+2
G3.23*	Common Hornbeam	-	S	480	104	5.8	-	-	Early Mature	-	Bifurcated at 5m above ground level	-	-	B1+2
G3.24	Common Horse Chestnut	-	S	640	185	7.7	-	-	Mature	-	-	-	-	B1+2
G3.25	Common Horse Chestnut	-	S	750	-	-	-	-	Dead	-	Topped at 11m above ground level Wildlife holes in trunk	Advise removal	-	U
G3.26	Common Horse Chestnut	-	S	600	163	7.2	-	-	Mature	-	-	-	-	C1+2
G3.27	Common Horse Chestnut	-	S	480	104	5.8	-	-	Early Mature	-	Trunk and crown shape distorted	-	-	C1+2
G3.28*	Common Horse Chestnut	-	S	980	-	-	-	-	Dead	-	Standing stump approximately 14m tall	Advise removal	-	U
G3.29	Common Horse Chestnut	-	S	900	366	10.8	-	-	Mature	-	Ivy on trunk Major deadwood in crown In decline	-	-	C1+2
G3.30*	Common Horse Chestnut	-	S	870	-	-	-	-	Mature	-	Standing stump	Advise removal	-	U
Grp 4	Poplar Oak Willow Sycamore Horse Chestnut Box Elder Tree of Heaven	15	S	See below	See below	See below	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Low hanging branches Major deadwood in crowns Old pruning wounds Trunk shapes distorted due to group pressure	None required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G4.1	Hybrid Black Poplar	-	S	880	350	10.6	-	-	Mature	-	Numerous branches previously reduced Low hanging branches	-	-	C1+2
G4.2	Turkey Oak	-	S	640	185	7.7	-	-	Early Mature	-	Fused branches in crown Low hanging branches	-	-	B1+2
G4.3	Common Beech	-	S	770	268	9.2	-	-	Early Mature	-	Tight fork at 3m above ground level Major deadwood Low hanging branches	-	-	B1+2
G4.4	Pedunculate Oak	-	S	990	443	11.9	-	-	Mature	-	Low hanging branches Major deadwood in crown Leans west	Remove major deadwood	-	C1+2
G4.5	Pedunculate Oak	-	S	590	157	7.1	-	-	Early Mature	-	Trunk and crown shape distorted Major deadwood Low hanging branches	-	-	B1+2
G4.6	Pedunculate Oak	-	S	500	113	6.0	-	-	Early Mature	-	Major deadwood High canopy	-	-	B1+2
G4.7	Common Lime	-	S	800	290	9.6	-	-	Mature	-	Low hanging branches Basal suckers	-	-	B1+2
G4.8	Common Horse Chestnut	-	S	1330	707	15	-	-	Mature	-	Large buttress roots Low hanging branches Deadwood Guignadia and camararia on foliage	-	-	B1+2
G4.9	Common Horse Chestnut	-	S	370	62	4.4	-	-	Semi-mature	-	-	-	-	C1+2
G4.10	Common Horse Chestnut	-	S	700	222	8.4	-	-	Early Mature	-	Bifurcated at 2m above ground level with tight fork and reaction wood Minor deadwood Low hanging branches Guignadia and camararia on foliage	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G4.11	Hybrid Black Poplar	-	S	760	261	9.1	-	-	Mature	-	Bifurcated at 7m above ground level Appears to have have been historically topped Storm damage in crown Branch tear out wounds Hung up branch in crown	Remove major deadwood Tidy storm damage and remove hung up branch	-	C1+2
G4.12	Ashleaf Maple	-	S	230	24	2.8	-	-	Semi-mature	-	Crown shape distorted Low hanging branches Minor deadwood	-	-	C1+2
G4.13	Swedish Whitebeam	-	S	310	43	3.7	-	-	Semi-mature	-	Trunk and crown shape distorted Leans to south-east	-	-	C1+2
G4.14	Common Horse Chestnut	-	S	240	26	2.9	-	-	Semi-mature	-	Crown shape distorted	-	-	C1+2
G4.15	Ashleaf Maple	-	S	340	52	4.1	-	-	Early Mature	-	Bifurcated at 5m above ground level Major deadwood in crown	Remove major deadwood	-	B1+2
G4.16	Ashleaf Maple	-	S	360	59	4.3	-	-	Semi-mature	-	Crown shape distorted Low hanging branches Minor deadwood	-	-	C1+2
G4.17	Common Horse Chestnut	-	S	370	-	-	-	-	Semi-mature	-	Bark wounds on trunk	Advise removal	-	U
G4.18	Hybrid Black Poplar	-	S	780	275	9.4	-	-	Early Mature	-	Bifurcated at 4m above ground level Minor deadwood	-	-	B1+2
G4.19	Common Lime	-	S	450	92	5.4	-	-	Early Mature	-	Low hanging branches Bifurcated at 4.5m above ground level	-	-	B1+2
G4.20	Mountain Ash	-	S	280	35	3.4	-	-	Early Mature	-	Multi-stemmed at 2m above ground level Low hanging branches	-	-	B1+2
G4.21	Western Balsam Poplar	-	S	650	191	7.8	-	-	Early Mature	-	Previously crown reduced Old pruning wounds Low hanging branches	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G4.22	Western Balsam Poplar	-	S	560	142	6.7	-	-	Mature	-	Bifurcated at 6m above ground level	-	-	C1+2
G4.23	Common Lime	-	S	400	72	4.8	-	-	Semi-mature	-	Low hanging branches	-	-	B1+2
G4.24	Western Balsam Poplar	-	S	580	152	7.0	-	-	Mature	-	Bifurcated at 2.5m above ground level	-	-	C1+2
G4.25	Common Lime	-	S	440	88	5.3	-	-	Semi-mature	-	Low hanging branches	-	-	B1+2
G4.26	Crack Willow	-	S	680	209	8.2	-	-	Mature	-	Multi-stemmed at 4m above ground level	-	-	C1+2
G4.27	Lombardy Poplar	-	S	980	434	11.8	-	-	Mature	-	Major deadwood	-	-	B1+2
G4.28	Common Lime	-	S	530	127	6.4	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G4.29	Common Lime	-	S	490	109	5.9	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G4.30	Lombardy Poplar	-	S	740	248	8.9	-	-	Early Mature	-	Major deadwood	-	-	B1+2
G4.31	Lombardy Poplar	-	S	830	312	10.0	-	-	Early Mature	-	Major deadwood in crown	Remove major deadwood	-	B1+2
G4.32	Lombardy Poplar	-	S	900	366	10.8	-	-	Early Mature	-	Major deadwood	-	-	B1+2
G4.33	Lombardy Poplar	-	S	780	275	9.4	-	-	Early Mature	-	Major deadwood	-	-	B1+2
G4.34	Lombardy Poplar	-	S	770	268	9.2	-	-	Early Mature	-	Major deadwood in crown	Remove major deadwood	-	B1+2
G4.35	Common Lime	-	S	550	137	6.6	-	-	Early Mature	-	Low hanging branches	-	-	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G4.36	Tree of Heaven	-	S	350	55	4.2	-	-	Semi-mature	-	Crown shape distorted	-	-	C1+2
G4.37	Crack Willow	-	S	1120	567	13.4	-	-	Mature	-	Major deadwood in crown	Remove major deadwood	-	C1+2
G4.38	Crack Willow	-	S	900	366	10.8	-	-	Mature	-	Cavity in trunk to east Major deadwood Crown shape distorted	Full ground level inspection with Decay detection equipment – within 1 month	-	C1+2 Interim
G4.39	Crack Willow	-	S	1070	518	12.8	-	-	Mature	-	Young fungal fruiting body at base on south side Trifurcated at ground level Major deadwood in crown	Remove major deadwood	-	C1+2
G4.40*	Crack Willow	-	S	970	426	11.6	-	-	Mature	-	Crown shape distorted Major deadwood	-	-	B1+2
G4.41	Sycamore	-	S	460	96	5.5	-	-	Early Mature	-	Bifurcated at 3.5m above ground level	-	-	C1+2
G4.42	Common Ash	-	S	730	241	8.8	-	-	Early Mature	-	Major deadwood	-	-	B1+2
G4.43	Sycamore	-	S	440	88	5.3	-	-	Early Mature	-	Bifurcated at 4m above ground level Weighted south Major deadwood in crown	-	-	C1+2
G4.44	Sycamore	-	S	440	88	5.3	-	-	Semi-mature	-	Bifurcated at 2m above ground level Old pruning wounds Crown shape distorted	-	-	C1+2
Grp 5	Elder Sycamore Ash Holly	9	S	300	41	3.6	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Offsite trees Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Basal suckers Low hanging branches Minor deadwood in crowns Trunk shape distorted due to group pressure	None required at time of survey	10+	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G5.1	Common Ash	-	S	440	88	5.3	-	-	Early Mature	-	Offsite tree Trunk shape distorted due to group pressure Weighted south-east	-	-	C1+2
G5.2	Common Ash	-	S	600	163	7.2	-	-	Early Mature	-	Offsite tree Weighted south Major deadwood in crown	Remove major deadwood	-	C1+2
G5.3	Common Ash	-	S	450	92	5.4	-	-	Early Mature	-	Offsite tree Trunk shape distorted due to group pressure Major deadwood in crown	Remove major deadwood	-	C1+2
G5.4	Common Ash	-	MS	340 320	99	5.6	-	-	Early Mature	-	Offsite tree Trunk shape distorted due to group pressure Major deadwood in crown Bifurcated at ground level	Remove major deadwood	-	C1+2
G5.5	Sycamore	-	MS	300 290	79	5.0	-	-	Early Mature	-	Offsite tree Trunk shape distorted due to group pressure Major deadwood in crown	Remove major deadwood	-	C1+2
G5.6	Common Ash	-	S	490	109	5.9	-	-	Early Mature	-	Offsite tree Trunk shape distorted due to group pressure Major deadwood in crown Weighted south-east	Remove major deadwood	-	C1+2
G5.7	Common Ash	-	S	390	-	-	-	-	Early Mature	-	Offsite tree Trunk shape distorted due to group pressure Major deadwood in crown Decay at base	Advise removal	-	U
G5.8	Sycamore	-	S	540	132	6.5	-	-	Early Mature	-	Offsite tree	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 6		18	S	See below	See below	See below	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Good Crown shapes distorted due to group pressure Minor deadwood in crowns Low hanging branches Linear group of trees lining footpath Provides good landscape feature Mixed species	None required at time of survey	40+	B2
G6.1	Sycamore	-	S	740	248	8.9	-	-	Early Mature	-	Bifurcated at 4m above ground level Cavity at base on north-west side Crown density reduced	Full ground level inspection with Decay detection equipment – within 1 month	-	B1+2 Interim
G6.2	Turkish Hazel	-	S	620	174	7.4	-	-	Mature	-	Low hanging branches	-	-	B1+2
G6.3	Common Walnut	-	S	530	127	6.4	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.4	Common Lime	-	S	680	209	8.2	-	-	Early Mature	-	Epicormics in crown Low hanging branches	-	-	B1+2
G6.5	Common Lime	-	S	640	185	7.7	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.6	Common Lime	-	S	780	275	9.4	-	-	Early Mature	-	Bifurcated at 2m above ground level Minor deadwood	-	-	B1+2
G6.7	Common Lime	-	S	630	180	7.6	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.8	Common Lime	-	S	640	185	7.7	-	-	Early Mature	-	Epicormics in crown Low hanging branches	-	-	B1+2
G6.9	Common Lime	-	S	520	122	6.2	-	-	Early Mature	-	Low hanging branches Storm damage in north of crown	-	-	B1+2

Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G6.10	Common Lime	-	S	590	157	7.1	-	-	Early Mature	-	Bifurcated at 2m above ground level Low hanging branches	-	-	B1+2
G6.11	Common Lime	-	S	530	127	6.4	-	-	Early Mature	-	Low hanging branches Multi-stemmed at 4.5m above ground level	-	-	B1+2
G6.12	Common Lime	-	S	510	118	6.1	-	-	Early Mature	-	Bifurcated at 2m above ground level with tight fork Low hanging branches	-	-	B1+2
G6.13	Common Lime	-	S	590	157	7.1	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.14	Turkish Hazel	-	S	390	69	4.7	-	-	Early Mature	-	Bifurcated at 4m above ground level Low hanging branches	-	-	B1+2
G6.15	Common Lime	-	S	560	142	6.7	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.16	Common Lime	-	S	590	157	7.1	-	-	Early Mature	-	Previously pollarded at 4m above ground level	-	-	B1+2
G6.17	Common Ash	-	S	690	215	8.3	-	-	Early Mature	-	Low hanging branches Weighted east Major deadwood in crown	Remove major deadwood	-	B1+2
G6.18	Common Lime	-	S	640	185	7.7	-	-	Early Mature	-	Bifurcated at 4m above ground level Low hanging branches Minor deadwood	-	-	B1+2
G6.19	Common Lime	-	S	870	342	10.4	-	-	Early Mature	-	Previously topped Basal suckers	-	-	C1+2
G6.20	Common Lime	-	S	580	152	7.0	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.21	Common Lime	-	S	540	132	6.5	-	-	Early Mature	-	Basal suckers Low hanging branches	-	-	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G6.22	Common Lime	-	S	590	157	7.1	-	-	Early Mature	-	Cavity at base on south-west side Previously topped at 8m above ground level	-	-	C1+2
G6.23	Common Lime	-	S	530	127	6.4	-	-	Early Mature	-	Bifurcated at 3.5m above ground level Low hanging branches	-	-	B1+2
G6.24	Common Lime	-	S	460	96	5.5	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.25	Common Yew	-	S	580	152	7.0	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G6.26	Common Lime	-	S	700	222	8.4	-	-	Early Mature	-	Estimatd data Basal suckers Low hanging branches	Clear around base and re-survey within 1 month	-	B1+2 Interim
G6.27	Common Lime	-	S	670	203	8.0	-	-	Early Mature	-	Basal suckers Low hanging branches	-	-	B1+2
G6.28	Common Lime	-	S	700	222	8.4	-	-	Early Mature	-	Basal suckers Low hanging branches Minor deadwood	-	-	B1+2
G6.29	Common Ash	-	S	410	76	4.9	-	-	Semi-mature	-	Crown shape distorted Minor deadwood	-	-	B1+2
G6.30	Norway Maple	-	S	500	113	6.0	-	-	Early Mature	-	Bifurcated at 2m above ground level	-	-	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 7	Pedunculate Oak Ash Yew Robinia Field Maple Sycamore Holm Oak Hawthorn Dogwood Holly Cherry Laurel Portugal Laurel Spotted Laurel Elm Snowberry Norway Maple	14	S	See below	See below	See below	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Trunk shapes distorted due to group pressure Branch tears Epicormics on trunks and in crowns Low hanging branches Major deadwood in crowns Old pruning wounds Some trees multi-stemmed at various heights	None required at time of survey	20+	B1+2
G7.1	Common Yew	-	S	590	157	7.1	-	-	Early Mature	-	Low hanging branches	-	-	B1+2
G7.2	Common Ash	-	S	450	92	5.4	-	-	Early Mature	-	Ivy on trunk	-	-	B1+2
G7.3	Common Ash	-	S	470	100	5.6	-	-	Early Mature	-	Trunk and crown shape distorted	-	-	B1+2
G7.4	Wild Cherry	-	S	350	55	4.2	-	-	Early Mature	-	Canker on trunk	-	-	C1+2
G7.5	Sycamore	-	S	310	43	3.7	-	-	Semi-mature	-	Trunk and crown shape distorted Minor deadwood	-	-	C1+2
G7.6	Sycamore	-	S	350	55	4.2	-	-	Semi-mature	-	Ivy on trunk and in crown Major deadwood in crown	Sever ivy Remove major deadwood	-	C1+2
G7.7	Common Ash	-	S	490	109	5.9	-	-	Early Mature	-	Trunk and crown shape distorted Bifurcated at 4m above ground level Minor deadwood	-	-	B1+2
G7.8	Common Lime	-	S	360	-	-	-	-	Early Mature	-	Decay in trunk Previously topped	Advise removal	<10	U

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G7.9	Common Yew	-	S	760	-	-	-	-	Mature	-	Chicken of the woods at base on south side of dead stem Tree was bifurcated at 1.3m above ground level but southern stem removed	Advise removal	<10	U
G7.10	Common Ash	-	S	540	132	6.5	-	-	Early Mature	-	Exposed surface roots Trunk and crown shape distorted	-	-	B1+2
G7.11	Common Ash	-	S	400	72	4.8	-	-	Semi-mature	-	Bifurcated at 5m above ground level	-	-	B1+2
G7.12*	Common Yew	-	S	540	132	6.5	-	-	Early Mature	-	Bifurcated at 1.6m above ground level	-	-	C1+2
G7.13	Common Ash	-	S	520	122	6.2	-	-	Early Mature	-	Trunk and crown shape distorted	-	-	B1+2
G7.14	Pedunculate Oak	-	S	790	282	9.5	-	-	Mature	-	Ivy on trunk Large wounds in crown Major deadwood in crown	Sever ivy	-	B1+2
G7.15	Common Ash	-	S	550	137	6.6	-	-	Early Mature	-	Trunk and crown shape distorted Ivy on trunk and in crown	-	-	B1+2
G7.16	Common Lime	-	S	800	290	9.6	-	-	Early Mature	-	Ivy on trunk and in crown Minor deadwood	-	-	B1+2
Grp 8	Yew Sycamore Ash Oak Hornbeam Elm, Hazel, Laurel, Ivy, Butchers Broom	14	S	350	55	4.2	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Good Crown shapes distorted due to group pressure Major deadwood in crowns Low hanging branches Ivy on trunks and in crowns Small wooded area Mixed species Variety of habitats (fallen deadwood, standing deadwood, ivy, cavities)	None required at time of survey	40+	B2
G8.1	Common Hornbeam	-	S	700	222	8.4	-	-	Early Mature	-	Multi-stemmed at 1.9m above ground level Ivy on trunk and in crown Minor deadwood	-	-	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G8.2	Common Yew	-	S	630	180	7.6	-	-	Early Mature	-	Minor deadwood Crown shape distorted	-	-	B1+2
G8.3	Common Yew	-	S	670	203	8.0	-	-	Early Mature	-	Leans south-east	-	-	C1+2
G8.4	Common Yew	-	S	550	137	6.6	-	-	Early Mature	-	Cavity in trunk on south side	-	-	C2+1
G8.5	Sycamore	-	S	560	142	6.7	-	-	Early Mature	-	Ivy on trunk and in crown Crown shape distorted	-	-	B1+2
G8.6	Common Ash	-	S	560	142	6.7	-	-	Early Mature	-	Broken hanging branch on south-east side Minor deadwood	-	-	B1+2
G8.7	Common Lime	-	S	530	127	6.4	-	-	Early Mature	-	Leans west	-	-	B1+2
G8.8	Common Ash	-	S	860	335	10.3	-	-	Early Mature	-	Decaying cavity at base on north-west side Ivy on trunk and in crown	Full ground level inspection with Decay detection equipment – within 1 month	-	B1+2 Interim
G8.9	Common Yew	-	S	340	52	4.1	-	-	Semi-mature	-	Wall to north	-	-	C1+2
G8.10	Common Yew	-	S	460	96	5.5	-	-	Semi-mature	-	Wall to north House to west	-	-	C1+2
G8.11	Common Yew	-	S	190	16	2.3	-	-	Young	-	Wall to north House to west	-	-	C1+2
G8.12	Common Holly	-	S	350	55	4.2	-	-	Early Mature	-	Trunk and crown shape distorted Leans to north	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 9	Sycamore Lime Oak Yew Holly Cherry Laurel Elder Ash Rhododendron Portugal Laurel Snowberry Hornbeam	12	S	300	41	3.6	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Low hanging branches Major deadwood in crowns Old pruning wounds Trunk shapes distorted due to group pressure	None required at time of survey	20+	B1+2
G9.1	Common Lime	-	S	590	157	7.1	-	-	Early Mature	-	Basal suckers limit survey Historically lost top	-	-	C1+2
G9.2	Common Ash	-	S	460	96	5.5	-	-	Early Mature	-	Trunk and crown shape distorted Trifurcated at 5m	-	-	B1+2
G9.3	Common Yew	-	S	530	127	6.4	-	-	Early Mature	-	Bifurcated at 4m with tight fork Minor deadwood	-	-	B1+2
G9.4	Common Yew	-	S	390	69	4.7	-	-	Early Mature	-	-	-	-	C1+2
G9.5	Pedunculate Oak	-	S	960	417	11.5	-	-	Early Mature	-	Polyporous squimosus fungal fruiting body on trunk to west at 2m above ground level Topped at 9m Decay present in upper stem Lateral branches taking over apical dominance Habitat value	-	-	C1+2
G9.6	Common Beech	-	S	910	375	10.9	-	-	Mature	-	Trunk shape distorted Leans and weighted east	-	-	C1+2
G9.7	Pedunculate Oak	-	S	790	-	-	-	-	Dead	-	Dead tree Potential habitat	-	-	U
G9.8	Pedunculate Oak	-	S	360	59	4.3	-	-	Semi-mature	-	Trunk shape distorted due to group pressure Weighted south	-	-	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G9.9	Pedunculate Oak	-	S	460	96	5.5	-	-	Early Mature	-	Bifurcated at 5m above ground level Weighted west	-	-	C1+2
G9.10	Pedunculate Oak	-	S	850	-	-	-	-	Dead	-	Dead tree	Advise removal	-	U
G9.11	Pedunculate Oak	-	S	850	327	10.2	-	-	Mature	-	Topped at 10m	-	-	C1+2
G9.12	Common Horse Chestnut	-	S	800	290	9.6	-	-	Mature	-	Exudate on trunk to south Minor deadwood	-	-	C1+2
G9.13	Sycamore	-	S	520	122	6.2	-	-	Early Mature	-	Cavity in south-east side of trunk at ground level Trunk shape distorted Historically lost top	-	-	C1+2
G9.14	Common Ash	-	S	370	-	-	-	-	Semi-mature	-	Cavity at base on east side Innonotus hispidus fungal fruiting body on floor at base of tree Bifurcated at 4m with cavity present	Advise removal	-	U
G9.15*	Common Lime	-	S	390	69	4.7	-	-	Semi-mature	-	Growing on bank of ice house Bird box on trunk Bifurcated at 4m	-	-	C1+2
G9.16	Sycamore	-	S	460	96	5.5	-	-	Early Mature	-	Ivy on trunk	-	-	C1+2
G9.17	Common Lime	-	S	1100	-	-	-	-	Mature	-	Previously topped Major decay in base	Advise removal	-	U
G9.18	Common Ash	-	S	350	55	4.2	-	-	Semi-mature	-	-	-	-	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 10	Ash Sycamore Yew Beech Laurel Elm	14	S	300	41	3.6	N - E - S - W -	N - E - S - W -	Semi-mature	Good	Structural Condition - Good Crown shapes distorted due to group pressure Trunk and crown shapes distorted Minor deadwood in crowns Low hanging branches Mixed species Small wooded area Dense understorey with even aged tree stock Self set trees within	None required at time of survey	20+	B2
G10.1	Common Ash	-	S	440	88	5.3	-	-	Early Mature	-	-	-	-	B1+2
G10.2	Common Ash	-	S	620	174	7.4	-	-	Early Mature	-	Minor deadwood	-	-	B1+2
Grp 11	Ash Cockspur Thorn Lime Norway Maple Elder	16	S	600	163	7.2	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Bark wounds Epicormics on trunks and in crowns Low hanging branches Minor deadwood in crowns Old pruning wounds Mixed species and age class group growing either side of path Basal suckers on limes	None required at time of survey	20+	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 12	Sycamore Horse Chestnut Pedunculate Oak Turkey Oak Box Elder Lime Willow Holly London Plane Alder Hornbeam Hawthorn	17	S	650	191	7.8	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Bark wounds Epicormics on trunks and in crowns Low hanging branches Minor deadwood in crowns Old pruning wounds Mixed species and age class group growing along site boundary Some trees previously crown reduced Some trees are offsite Some trees have been historically topped	None required at time of survey	20+	B1+2
G12.1	Crack Willow	-	S	610	-	-	-	-	Mature	-	Tpped Epicormics form small crown Large area of bark necrosis on upper trunk	Advise removal	<10	U
Grp 13	Willow Alder Pedunculate Oa Red Oak Lime Horse Chestnut	5	S	100	5	1.2	N - E - S - W -	N - E - S - W -	Young	Fair	Structural Condition - Fair Developing trees Recently planted trees with stake and ties in place Several trees have died	None required at time of survey	20+	C1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 14	Horse Chestnut London Plane Sycamore Willow Pedunculate Oak Hornbeam Hawthorn Ash Hazel Silver Birch Whitebeam Atlas Cedar Pine Holm Oak Red Oak Wild Cherry Turkish Hazel Maidenhair Tree Norway Maple Beech Apple Leyland Cypress	17	S	750	254	9.0	N - E - S - W -	N - E - S - W -	Mature	Good	Structural Condition - Fair Bark wounds Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Low hanging branches Major deadwood in crowns Old pruning wounds Tall and etiolated due to group pressure Tight forks with included bark Trunk shapes distorted due to group pressure Mixed species and age class trees Large Ash with perenipora at base (assumed identified for removal with the sites previous survey as tree fenced off)	Remove major deadwood	20+	B1+2
G14.1	Sycamore	-	MS	1000 900	707	15	-	-	Mature	-	Large buttress roots Bifurcated at 1m above ground level Channel of decay in south side of north side stem Old pruning wounds	-	-	C1+2
Grp 15	Oak Hawthorn Lime Wild Service Tree	2	S	75	3	0.9	N - E - S - W -	N - E - S - W -	Young	Good	Structural Condition - Good Newly planted trees Developing trees	None required at time of survey	40+	C2
Grp 16	Sweet Chestnut Hornbeam Common Walnut Common Lime Hawthorn Holm Oak	4	S	120	7	1.4	N - E - S - W -	N - E - S - W -	Young	Good	Structural Condition - Good Mixed species and age Mainly young trees with two more mature trees within	None required at time of survey	40+	B2
G16.1	Common Walnut	-	S	430	84	5.2	-	-	Early Mature	-	Low hanging branches	-	-	B1+2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G16.2	Common Lime	-	S	620	174	7.4	-	-	Early Mature	-	Bifurcated at 4m above ground level Low hanging branches	-	-	B1+2
Grp 17	Sycamore Horse Chestnut Holm Oak Corsican Pine Beech Poplar Pear Elder	17	S	650	191	7.8	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Bark wounds Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Major deadwood in crowns Old pruning wounds Some trees topped or previously reduced	Remove major deadwood	20+	B1+2
Grp 18	Corsican Pine Red Oak Pedunculate Oak Turkey Oak	16	S	600	163	7.2	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Minor deadwood in crowns Low hanging branches Old pruning wounds	None required at time of survey	20+	B1+2
Grp 19	Horse Chestnut Common Lime Small Leaved Lime Red Oak Pin Oak Pedunculate Oak Cedar Norway Maple Common Ash Black Walnut	18	S	650	191	7.8	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Good Crown shapes distorted due to group pressure Major deadwood in crowns Low hanging branches Old pruning wounds Avenue of trees running along footpath Cavities in trunks and in crowns	Remove major deadwood	40+	A2

Tree No	Species	H't (m)	Single/Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m ²)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physiological Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 20	Holm Oak Lime Sweet Chestnut Horse Chestnut Ash Red Oak Norway Maple Tree of Heaven Robinia Wild Cherry	17	S	700	222	8.4	N - E - S - W -	N - E - S - W -	Mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Bark wounds Epicormics on trunks and in crowns Low hanging branches Minor deadwood in crowns Old pruning wounds	None required at time of survey	20+	B1+2
Grp 21	Common Ash x2 Norway Maple x1	12	S	770	268	9.2	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Fair Epicormics on trunks and in crowns Low hanging branches Minor deadwood in crowns Old pruning wounds Linear group	None required at time of survey	20+	B1+2
Grp 22	Pedunculate Oak Common Lime	4	S	120	7	1.4	N - E - S - W -	N - E - S - W -	Young	Good	Structural Condition - Good Four developing trees	None required at time of survey	40+	C2
Grp 23	Common Ash x 3	12	S	700	222	8.4	N - E - S - W -	N - E - S - W -	Early Mature	Good	Structural Condition - Good Minor deadwood in crowns Low hanging branches	None required at time of survey	40+	B2
Grp 24	Beech Ash Sycamore Hawthorn Lime Tree of heaven	18	S	800	290	9.6	N - E - S - W -	N - E - S - W -	Mature	Good	Structural Condition - Good Crown shapes distorted due to group pressure Major deadwood in crowns Low hanging branches Old pruning wounds Basal suckers	Remove major deadwood	40+	A2





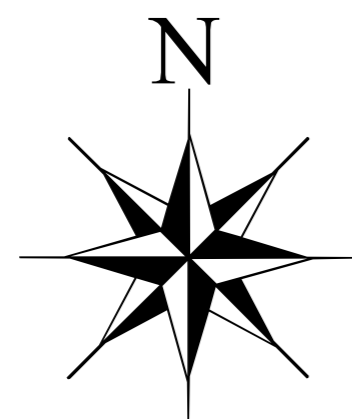
CBA Trees

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Burnetts Lane, West End
Southampton, SO30 2PA
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Website: www.cbatrees.co.uk

CBA10677 Marble Hill House and Park Tree Survey Plan

SCALE : 1 : 500 @ A0
Sheet 1 of 4

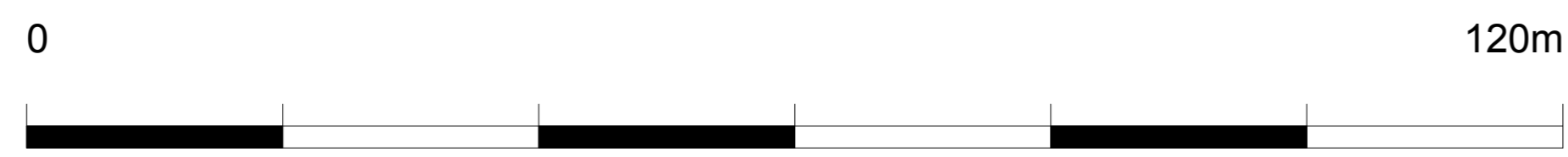
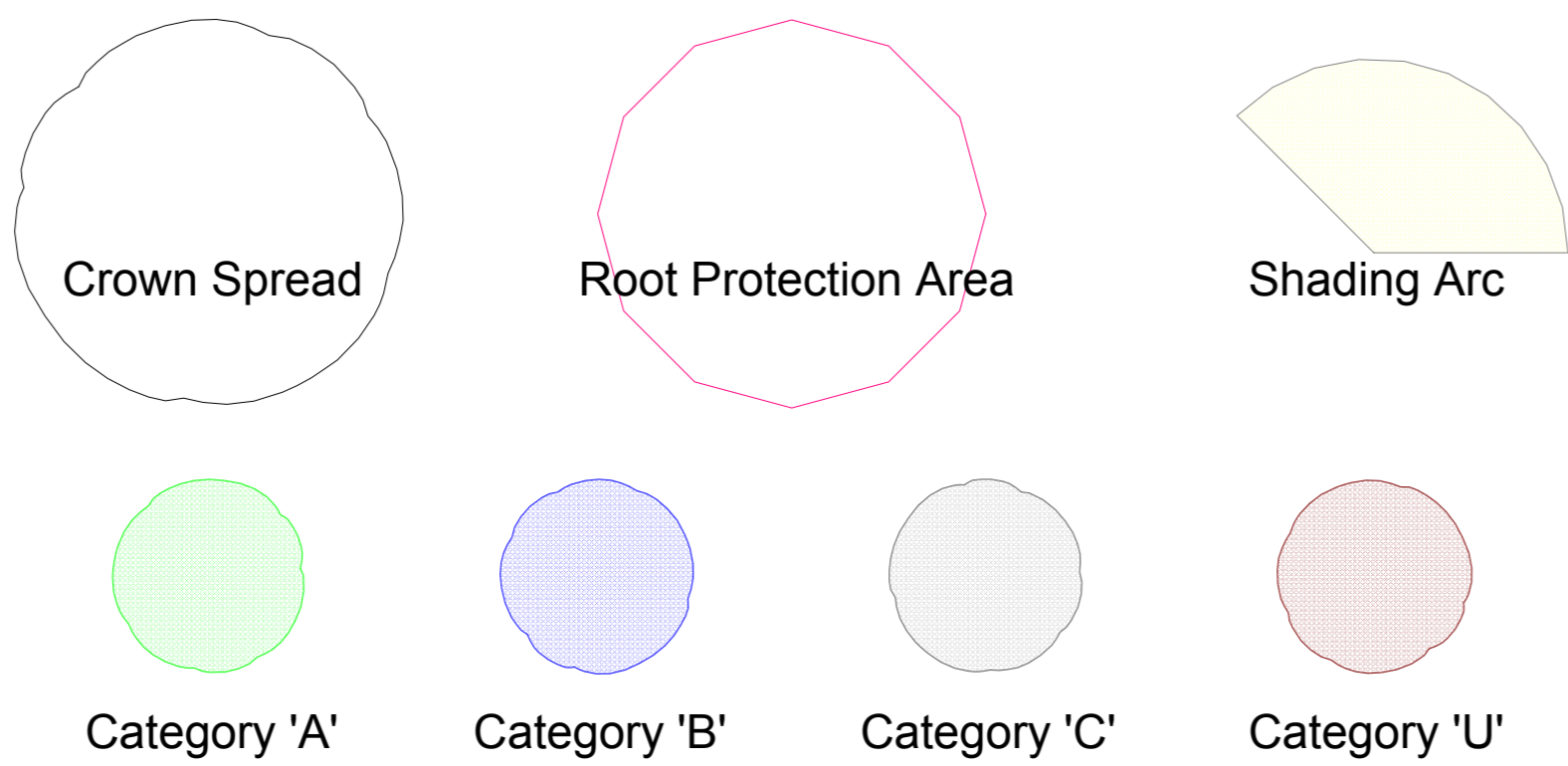
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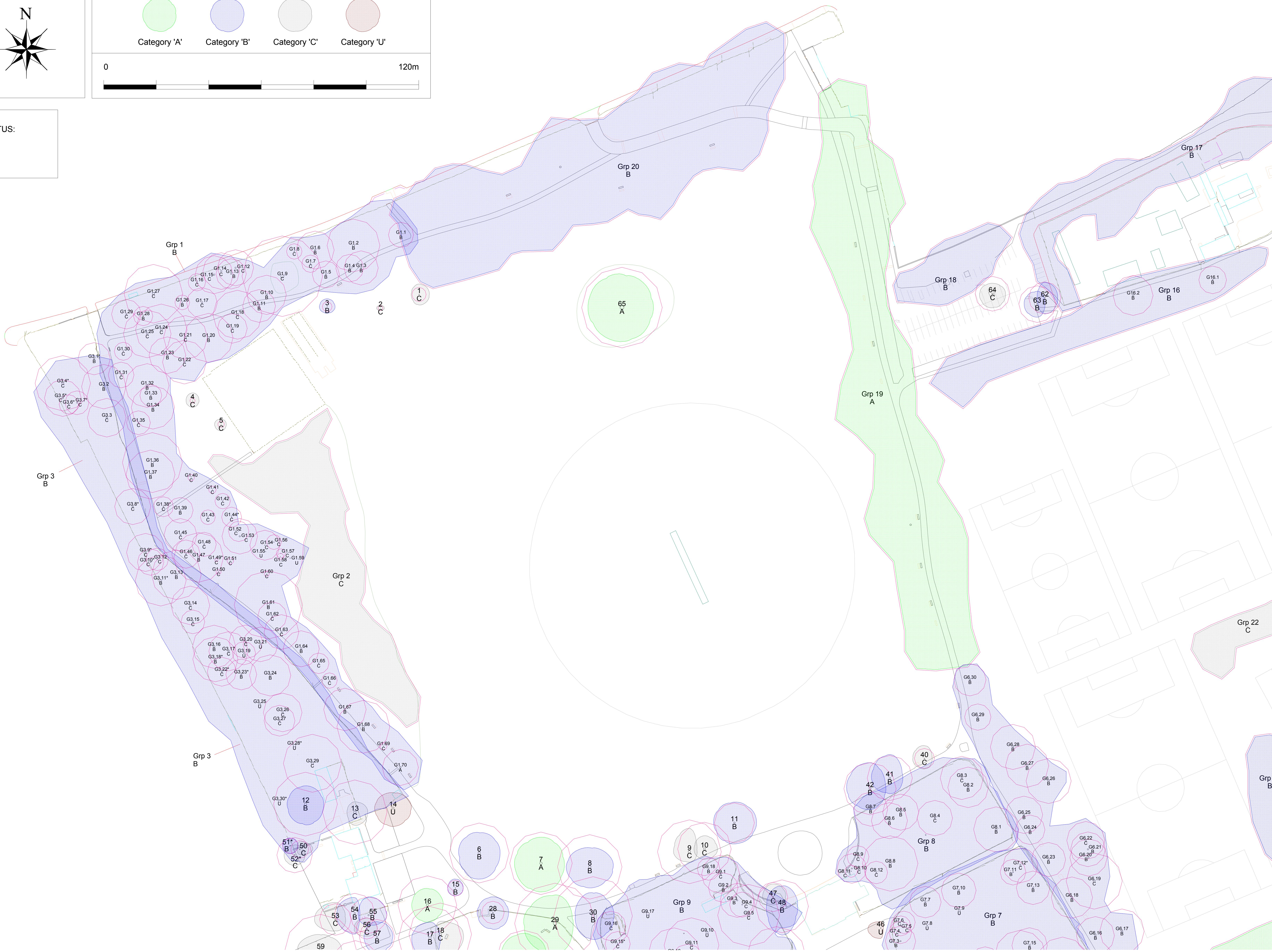
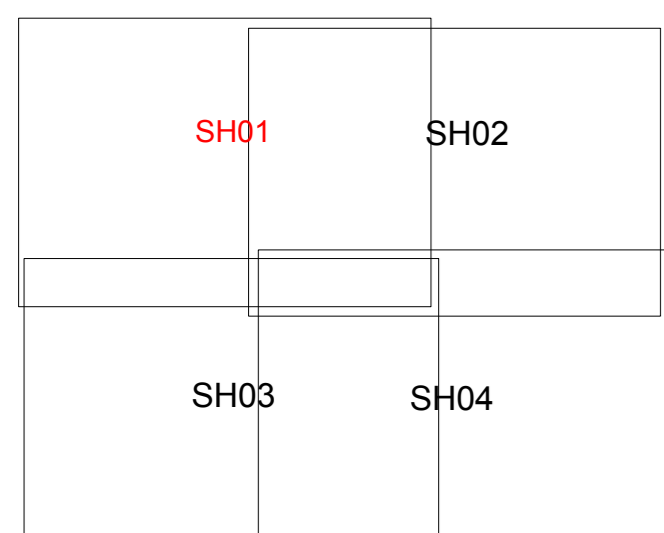
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BASE PLAN: MHH16T01-17

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NOTES:
1. Shading Arcs not shown on this plan
2. Root Protection Areas are shown as a theoretical circle and at this stage do not take into account site features and constraints.
3. Trees marked with * and group outlines are indicatively plotted.



TREE PRESERVATION ORDER / CONSERVATION AREA STATUS:
Richmond Council has confirmed that the site lies within the CA8 Twickenham Riverside Conservation Area but there are no Tree Preservation Orders protecting trees on the site.





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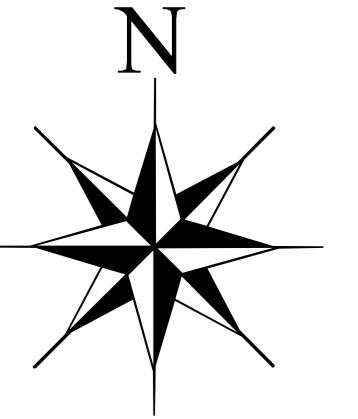
CBA10677 Marble Hill House and Park Tree Survey Plan

SCALE :
1 : 500 @ A0
Sheet 2 of 4

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11/11/2016

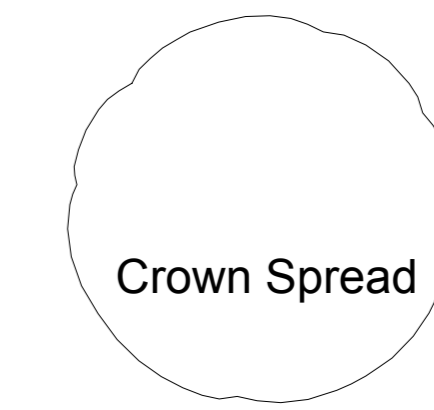
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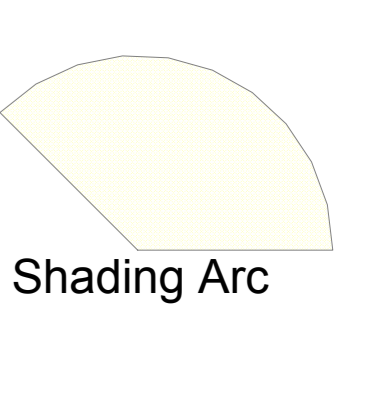
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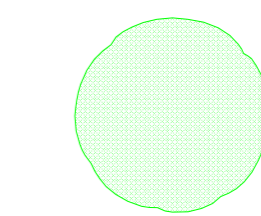
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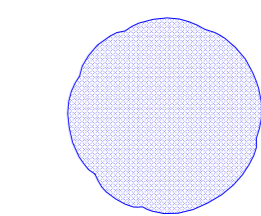
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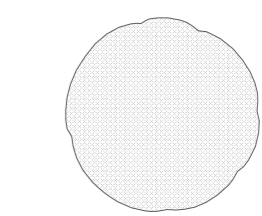
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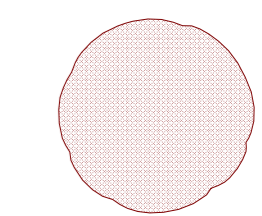
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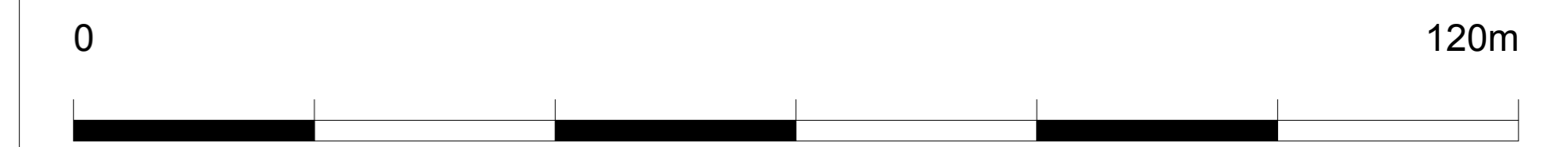
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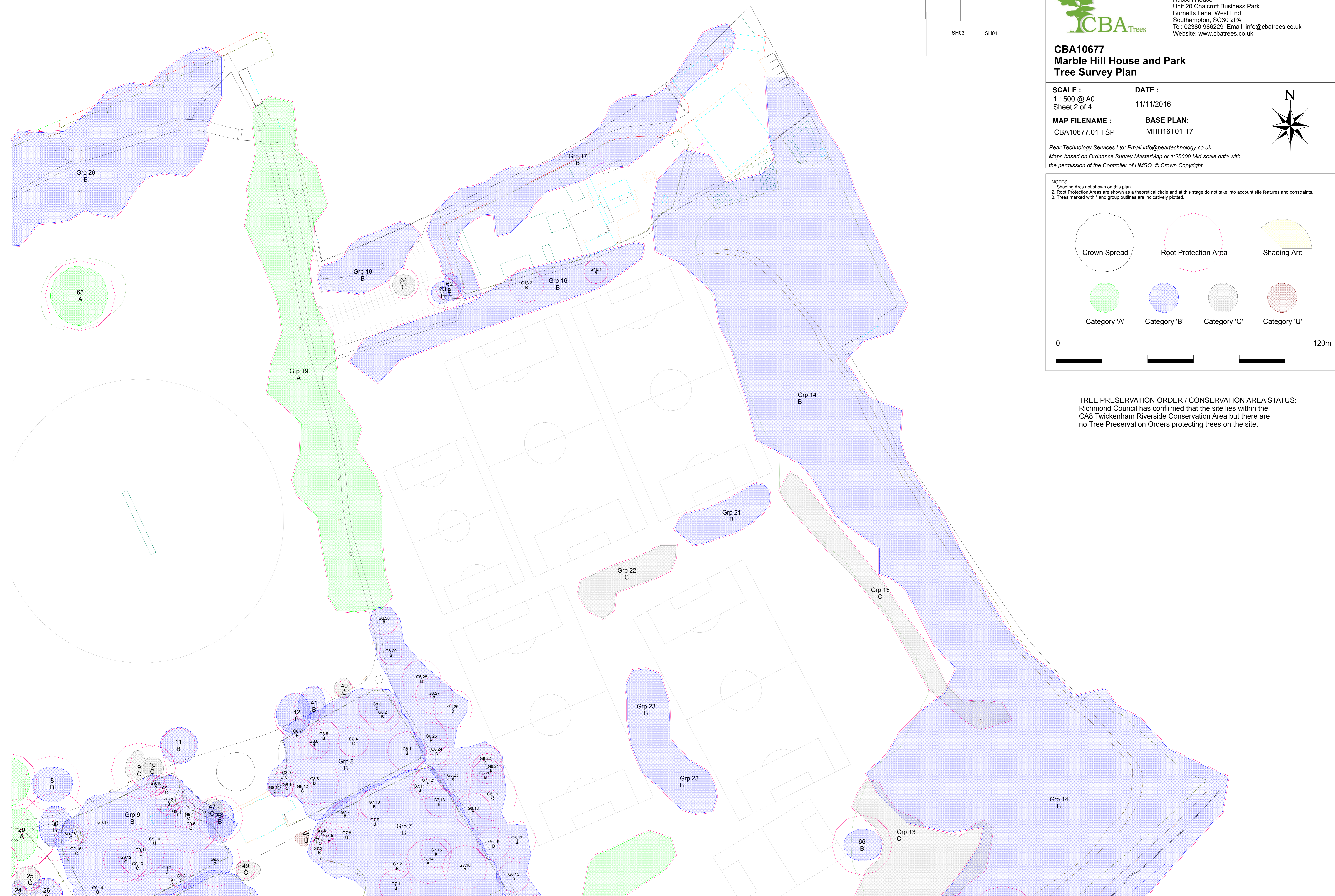
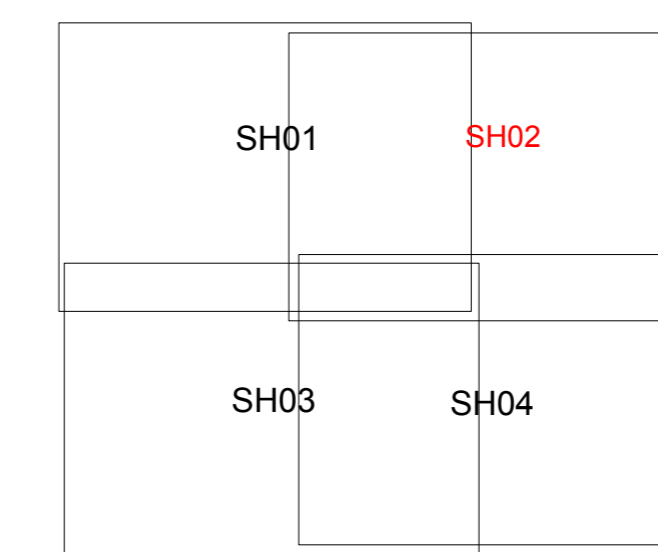
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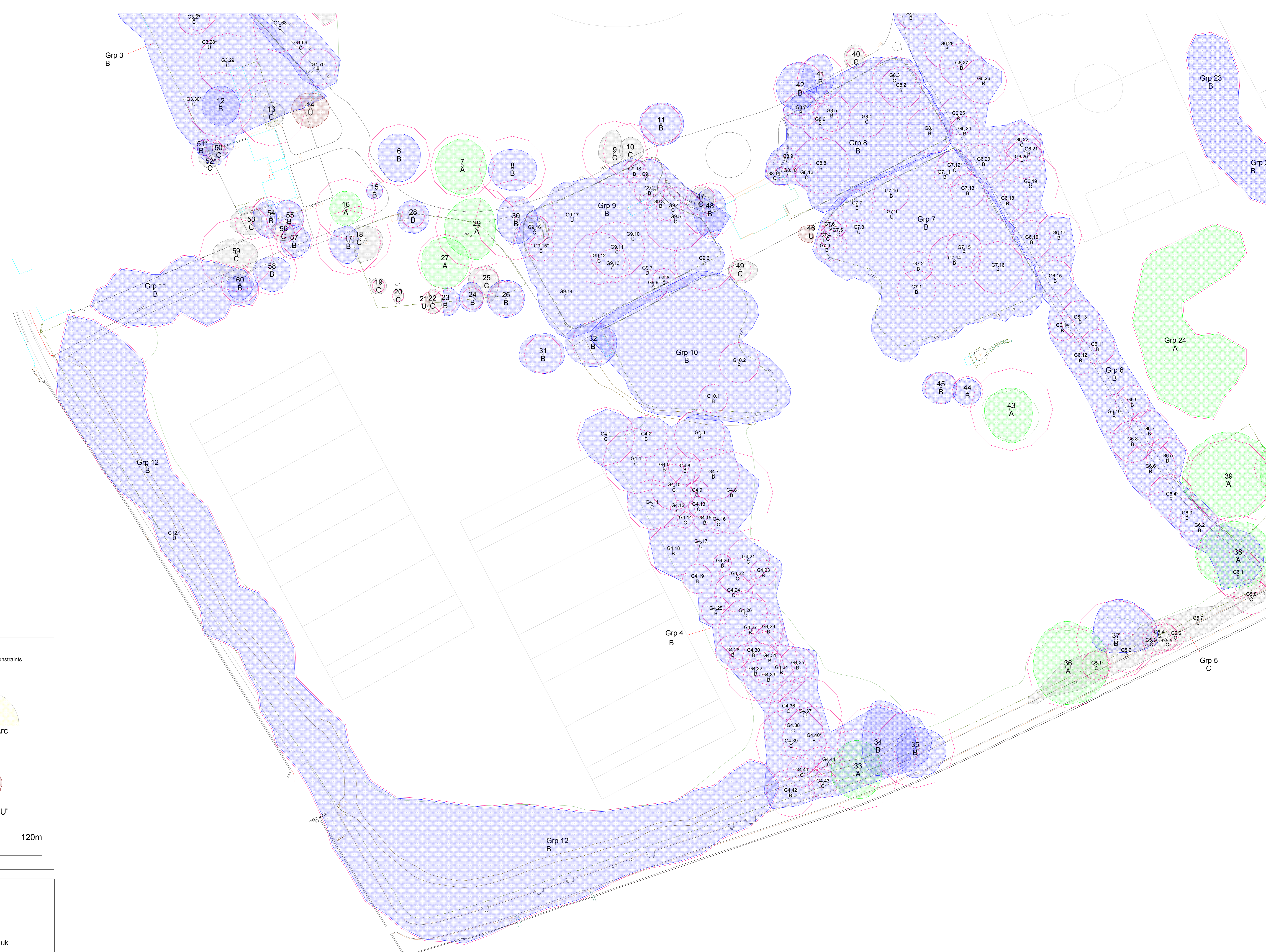


Category 'U'



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Crown Spread	Root Protection Area	Shading Arc
Category 'A'	Category 'B'	Category 'C'
Category 'U'		

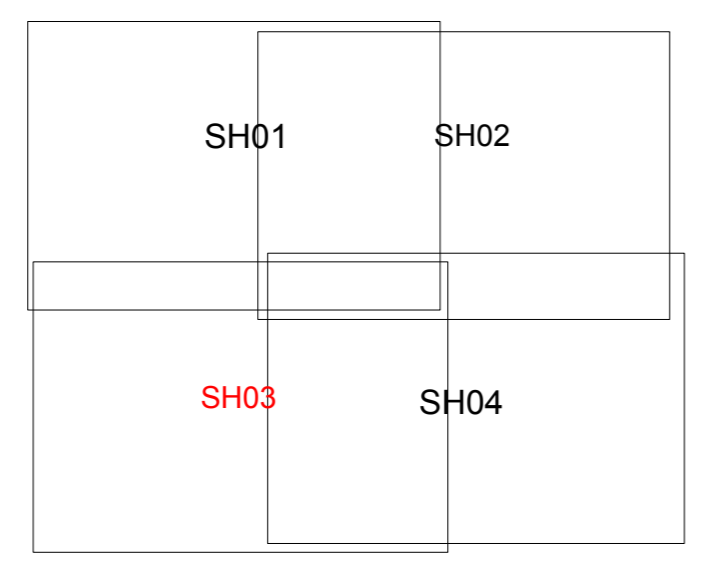
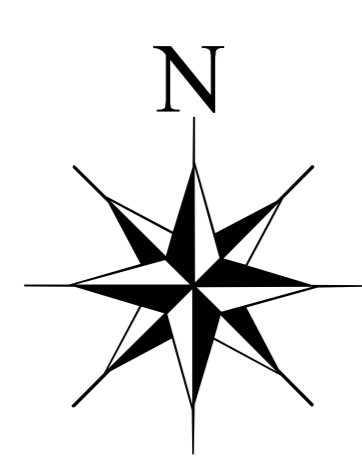
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Tree Survey Plan

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**CBA10677
 Marble Hill House and Park
 Tree Survey Plan**

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SH01	SH02
SH03	SH04





The Professional Arboricultural Consultancy

Company Profile, Qualifications and Experience



CBA Trees, one of the leading professional arboricultural consultancy practices in the UK, is based in Southampton. There are currently two consultants working from our Hampshire office, with further consultants based in Essex and Berkshire, all of whom possess varying expertise and qualifications.



Stefan Rose BSc(Hons), TechCert (Arbor A), joined CBA Trees in 1998 as a junior surveyor and has consistently studied to become a respected Senior Consultant. He has vast experience in working as a locum for local authorities, assessing new and extant Tree Preservation Orders, as well as working on some of the largest development sites nationwide.



James Fuller FdSc.Arb, BTEC Nat.Dip Arb, TechArbor.A, joined CBA in 2007 as a gap year junior surveyor/arborist having attained the Foundation Degree in Arboriculture and as part of his professional development James has more recently attained the Professional Tree Inspector's Certificate. Over the years James has gained experience in every field of our work, undertaking all elements of consultancy work including large tree surveys and BS5837:2012 planning applications. As a retained Senior Consultant James undertakes site assessments, site monitoring, provision of advice to prominent development companies and preparation of Implication Assessments and Method Statements.



Dominic Poston F.Arbor.A. MICFor, CEnv, Prof Dip (RFS), BSc (Hons), HND has recently joined CBA Trees as a Senior Consultant and brings with him a wealth of knowledge and experience. Having attained a Bachelor of Science Degree in Horticulture, a Higher National Diploma in Landscape Management and the Royal Forestry Society's Professional Diploma in Arboriculture, Dominic is a fellow of the Arboricultural Association and a Chartered Arboriculturist and Chartered Environmentalist. Through local authority experience he has been involved as a supervising officer and advisor to planning teams on many developments near trees. Through private sector experience he has provided arboricultural advice, ranging from feasibility through to implementation on many development projects near trees. He has extensive experience in the management of large tree stocks, implementing the recommendations within BS5837 and acting as an expert witness. He has considerable experience working closely with clients and as part of a multi-disciplinary team.



Mark Harrison M.Arbor.A. NDArb, has recently joined CBA Trees as a Senior Consultant and brings with him sound knowledge and experience gained from his career in arboriculture over the past 30 years. Mark gained a National Diploma in Arboriculture from Merrist Wood Agricultural College in 1986 and has been employed by various Borough and District Councils in the post of Arboricultural Officer. Mark operates his own arboricultural consultancy carrying out surveys and producing reports for planning applications, tree management etc.in conjunction with his work for CBA Trees. In addition to a National Diploma, Mark is qualified in Lantra professional tree inspection, and holds qualifications for Bats in Trees and also Bats and Fibrescopes. Mark is a professional member of the Arboricultural Association, Consulting Arborists’ Society and the International Society of Arboriculture, as well as an associate member of the Institute of Chartered Foresters.



All of our consultants are trained in the use of ‘state of the art’ decay detection equipment, and the latest data capture equipment.

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
- Arboricultural/Landscape Design
- Tree Survey Work (street trees, development projects, individual private sites)
- Tree Preservation Order Advice
- Tree Inspections and Hazard Risk Assessments
- Woodland Creation, Maintenance & Management
- Health & Safety issues – Inspections on behalf H&SE
- Arboricultural site and project management

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



Developers – Commercial and Residential

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



Design & Legal

Barton Willmore Partnership
 Bond Pearce
 Boyer Planning Associates
 Cunningham Ellis & Buckle
 Derek Lovejoy Partnership

Lester Aldridge
 MacGregor Smith
 Masons
 McKennas
 Penningtons

SLR Consulting
 Terra Firma Consultancy
 Town Planning Consultancy
 Tucker Parry Knowles Partnership
 WYG



Education

Beal Free School
 Brighton & Hove Sixth Form College
 Cognita Schools
 Hillyfield Primary Academy
 Guildford High School

Merrist Wood College
 Richard Taunton College
 Royal Holloway University of London
 St Osmunds Primary School
 United Church Schools

University College Oxford
 University of Portsmouth
 University of Winchester



Local Authorities & Government Bodies

Alpha
 Ampfield Parish Council
 Basingstoke Borough Council
 Catalyst Housing
 Circle Housing Group
 Eastleigh Borough Council
 Hampshire County Council
 Highways Agency
 Lambeth and Southwark Housing

London Borough of Bexley
 London Borough of Camden
 NHS Property Services
 Poole Borough Council
 Portsmouth City Council
 Raglan Housing
 Reigate and Banstead Council
 RB of Kensington & Chelsea
 Royal Borough of Kingston

Ruscombe and Twyford LEP
 Rushmoor Borough Council
 Southampton City Council
 Test Valley Borough Council
 The Hyde Group
 Transport for London
 West Sussex County Council
 West Wittering Parish Council

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