June 2015
CBA10341 v2

Mr John Misselbrook

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Site:
Maidenstone Heath

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The Complete Arboricultural Consultancy

ARBORICULTURAL IMPLICATIONS ASSESSMENT

Client:	Mr John Misselbrook
Site:	Maidenstone Heath
Arboricultural Consultant:	Stefan Rose *BSc (Hons), Tech Cert ArborA, TechArborA*
Date:	June 2015

1.0 INTRODUCTION

1.1 This Arboricultural Implications Assessment (AIA) is for the proposed design layout for the development of land at Maidenstone Heath based upon the plans provided by The Genesis Design drawing numbers 7657/P01 Rev A and 7657/PO2 Rev A.

1.2 The proposal is for outline planning permission that will lead to a detailed and full planning submission for the provision of two 4-bed houses, six 3-bed houses and associated access, car parking and garden space.

1.3 This is a basic AIA that the outline development will have on the site and the existing tree stock based on the drawings detailed above provided to us by The Genesis Design Studio. This AIA will look to highlight specific areas of conflict and advise on ways to mitigate those particular implications subject to detailed design.

1.4 **Note:** Any mitigating build techniques for foundations, footpaths or car parks etc that are detailed within this report and agreed on through further consultation within the detailed design stage will form the basis of the construction techniques within the Arboricultural Development Statement (ADS) and Arboricultural Method Statements (AMS) that are mostly likely to be required for or conditioned as part of a full planning consent.

1.5 The ADS and/or AMS and Tree Protection Plan (TPP) drawn up as part of the detailed design stage will therefore have to be fully respected throughout the planning and development process or the contractors and the client could be found in breach of planning conditions if planning permission is granted, this could lead to a stop notice placed on the site or enforcement action being taken.

2.0 SCOPE AND PURPOSE OF REPORT

2.1 This AIA considers the implications that the proposed design layout will have upon the existing tree stock, and also provides potential solutions to any implications, to ensure the safe and healthy retention of any trees, which are considered to be worthy of retention. The existing tree stock was assessed by a qualified arboriculturist in accordance with BS5837:2012 on 25th March 2015; the tree survey exercise identified 65 individual trees, 14 groups of trees and 2 hedges.

2.2 The results of this survey exercise have been used to help inform the outline layout where possible in conjunction with many other planning constraints and design criteria. This AIA only considers the implications of the works at outline stage, which are illustrated on the Proposed Drawings 7657/P01 Rev A and 7657/PO2 Rev A by The Genesis Design Studio. If any changes to the proposed layout are required following this report or outline planning permission for example, then further arboricultural advice should be sought.

3.0 DEFINITION OF ROOT PROTECTION AREA (RPA)

3.1 The RPA of a tree is defined in BS5837:2012 as a "*layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority".* This is calculated as an area based on the stem diameter of the tree. It is usually considered to be a circular shape centred on the trunk of the tree, unless an arboriculturist considers site factors may have affected this.

3.2 The orange circles on the Tree Retention and Removal Plan CBA10341.02 (appended at CB1) represent the minimum RPAs that will need to be fenced off and protected to provide sufficient undisturbed rooting environment for the safe and healthy retention of trees.

3.3 In line with the recommendations within BS5837:2012, it is recommended that a view is taken by the arboriculturist on the likely rooting zone of trees, in view of existing on and offsite construction features which may have distorted root patterns, and make allowance for this accordingly. For the majority of trees on this site, a representative RPA circle will be sufficient to provide a good rooting environment. There are various areas of built form, water courses/ditches, ponds across the site such that intersect with the theoretical RPAs. There are several trees that grow in close proximity to buildings or roads and therefore the theoretical RPAs are most likely to be affected. These trees are, however, unaffected by the current outline planning application. Further advice and discussions will need to be held where built form may have altered the RPAs of trees or where proposed construction works are indicated within the root protections at detailed design stage to ensure that the impact of proposals are minimized in relation to trees.

4.0 LEGAL CONSTRAINTS

4.1 *TREE PRESERVATION ORDERS*

Following consultation with Eastleigh Borough Council, CBA Trees has been made aware that the site is located within the Old Bursledon Conservation Area. It is understood that at the time of our enquiry and writing this assessment that there were no Tree Preservation Orders on site. If it is intended to carry out works to trees on site prior to the granting of Full Planning Consent and Discharge of Planning Conditions or, in excess of those shown within this development statement, it will be necessary to provide written notification to Eastleigh Borough Council six weeks prior to the commencement of works.

4.2 *CONSIDERATION OF WILDLIFE, BATS, PROTECTED SPECIES, HABITATS, ECOLOGY*

The Wildlife and Countryside Act, 1981 (as amended) provides protection for wildlife, and in particular with regard to trees, attention and consideration should be given to nesting birds and the potential for bat roosts within trees and hedges. The project Ecologist can provide specific information as required on these matters and in relation to the removal of trees that may provide a valuable habitat.

5.0 ARBORICULTURAL IMPLICATIONS ASSESSMENT

5.1 The proposed outline planning application as detailed within Section 1 above will only develop a section of the whole area surveyed by CBA Trees. Assuming that all site works/construction traffic, services and drainage, etc, will access the development site via the Bovis Homes site, many trees detailed within the existing tree survey will not be impacted upon by the current proposal. Should the various access routes not utilise the existing Bovis Homes site then CBA Trees need to be informed of the potential access and service routes to be able to provide a detailed assessment of the potential impact on the trees. This is not likely to be confirmed until the detailed design stage and will be required to allow a comprehensive scheme of protection for the retained trees at Maidenstone Heath.

5.2 Of the 65 individual trees, 14 groups of trees and 2 hedges identified within the tree survey exercise, the breakdown of grade classification is as follows:

5.2.1 *'U' GRADE TREES:*

These are trees that are in such a condition that they might realistically be retained as living trees in the context of the current land use for up to 10 years. However, in accordance with the recommendations within BS5837:2012 paragraph 4.5.7 *"Category U trees can have existing or potential conservation value which it might be desirable to preserve".*

Trees 35, 52, 63 plus G8.3, G8.10, G8.14, G8.17 and G8.18 within Group 8.

5.2.2 *'A' GRADE TREES*

These are trees considered to be of high quality and value, and to be in such a condition as to make a substantial contribution (40 years or more is recommended). These trees should be a material consideration in the development process.
Trees 50 and 57.

5.2.3 *'B' GRADE TREES*

These are trees considered to be of moderate quality and value, capable of making a significant contribution for in excess of 20 years. These trees should be a material consideration in the development process.
Trees 3, 5, 6, 7, 9, 10, 11, 12, 19, 22, 25, 28, 29, 46, 47, 48, 49, 51, 55, 58 and 65 plus Groups 2, 6, 7 8, 12 and 13.

5.2.4 *'C' GRADE TREES*

These are trees considered to be of low quality, with low or temporary landscape conservation or other cultural value, which might remain for a minimum of 10 years, or young trees with stems of less than 150mm diameter. These trees should be considered in the development process, however they will usually not be retained where they impose a significant constraint on any proposed development.
Trees 1, 2, 4, 8, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 26, 27, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 53, 54, 56, 59, 60, 61, 62 and 64 plus Groups 1, 3, 4, 5, 9, 10, 11, 14 and Hedges 1 and 2.

5.2.5 *INTERIM GRADE TREES*

It should also be noted that two of the aforementioned individual trees (6 and 24) have been recommended for further investigation and therefore have been graded with an interim grade that could alter, subject to the results of the further detailed investigation being carried out as advised within the tree survey.

5.3 Of the 65 individual trees, 14 groups of trees and 2 hedges, three individual trees (Trees 35, 52, 63) and trees G8.3, G8.10, G8.14, G8.17 and G8.18 have been assessed as 'U' category trees and would seek to be removed within a new development due to their poor condition or limited life expectancy. The current landowner may also consider having these trees removed on health and safety grounds regardless of any development proposals.

5.4 Therefore only 62 individual trees, 14 groups of trees and 2 hedges need to be fully considered within a planning application. Of these remaining trees the following trees, groups and hedge will not be impacted upon by the outline planning application (subject to construction access confirmation):

Trees 1-21, 48, 49, 50, 51, 53-62, 63, 64 and 65
Groups 1, 2, 3, 12, 13 and 14
Hedge 2

5.5 The remaining 30 individual trees, 8 groups of trees and 1 hedge need to be considered within the planning application.

5.6 The access road (immediately as it enters the site leading from the Bovis Homes site) and the first 4-bed house will require the removal of Trees 45, 46, 47, Group 9 and Group 10. This is either due to being located under the footprint of development, due to the loss of significant roots and/or the provision of construction/working space. Group 11 will also be removed in part where the proposed access road is within the root protection area of this low grade group. Given their relatively low public amenity the loss of these trees should not be a significant factor within the planning process. We would advise that replacement planting occurs along the eastern roadside adjacent to the pond to help mitigate their loss.

5.7 Hedge 1 runs along the western boundary of the site and will be removed to provide a new boundary treatment to the rear boundaries of the first four plots as you enter the proposed development. A section of the hedge will also be removed as it is under the footprint of the access road. The section of hedge to the south of the proposed access road will be retained.

5.8 Trees 48 and 49 are adjacent to the proposed road and the construction of the road may affect the perimeter of the root protection area of these trees. However with protective barriers erected at the correct location prior to any site works occurring the impact on these trees should be minimal and these trees can be retained.

5.9 Group 8 will require the 'U' grade classified tree G8.10 to be removed to allow for the road to be constructed. Subject to protective barriers being erected in the correct locations prior to any site works occurring, the remainder of this group will not be adversely affected by the proposals

5.10 Trees 27-34 and 36-44 will be removed as they are either directly under the proposed footprint of development, removed to provide construction space or removed to provide reasonable and useable garden space. Given their low grading and low public amenity the loss of these trees should not be a significant factor within the planning process.

5.11 Group 6 wraps around the development boundary with a finger of trees that protrudes into the site. The current layout has two 3-bed house plots either side of this finger of trees that will require these trees to be removed. However, the majority of this group will be retained to keep the green visual screen in the north-west corner of the site.

5.12 Trees 22, 23, 24, 25, 26 and Group 5 can be retained within the current layout.

5.13 Group 7 will have the three southernmost trees removed (G7.15, G7.16 and G7.17) (one low 'C' grade and two moderate 'B' grade trees) to allow for the link road/driveway to the separate 4-bed house within the north-east corner of the site.

5.14 Group 4 will be removed to provide a reasonable and useable garden space and to allow for good management of the waterway that this group grows within. Given its low quality and grading and little if any amenity value, the loss of this group should not be a significant factor within the planning process.

5.15 Tree protection measures as detailed below in Section 7 and as per the Tree Retention and Removal Plan CBA10341.02 (appended at CB1) demonstrates that trees to be retained can and will be protected immediately after the tree works and prior to any further site works as detailed in a granted full planning consent to ensure that the retained trees are not adversely impacted upon.

5.16 All machinery will operate from outside the protected areas formed by the tree protection barriers to ensure that retained trees, their roots and their growing environment are not adversely affected through ground compaction. Machinery may operate from fit for purpose ground protection measures as identified on the Tree Retention and Removal Plan CBA10341.02 (appended at CB1)

6.0 SERVICES

6.1 CBA Trees has not been provided with the proposed service location plans to establish if these will implicate the retained trees at this stage given that the permission being sought is only for outline. It is likely that this information will not be made available until planning permission has been granted.

6.2 It is worthy of note at this stage that all services, utilities and drainage should be designed and located to avoid the root protection areas of retained trees and this should also include the working space required to install such underground items where in close proximity to retained trees.

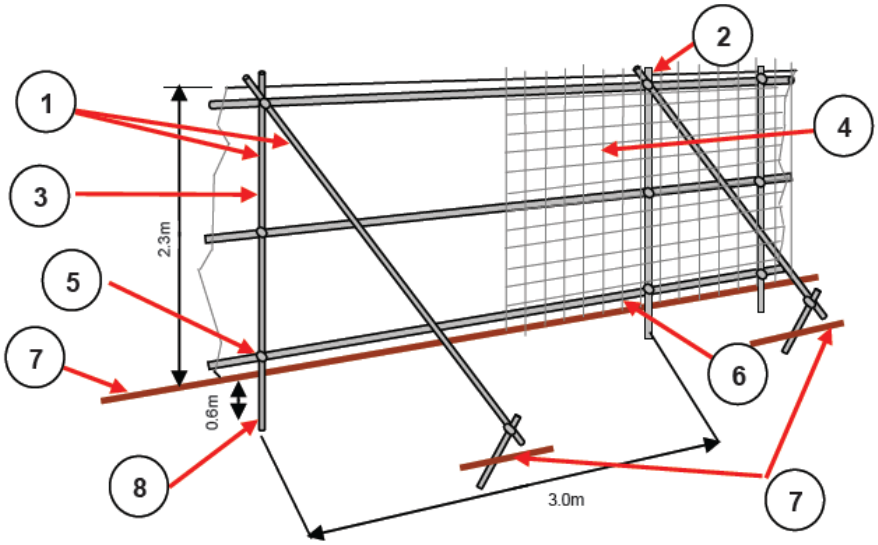
6.3 It would seem appropriate, given that there will be a single vehicular access leading from the proposed Bovis Homes development that all services, utilities and drainage will link to the newly established services, utilities and drainage installed within that development via the road access. This will minimise the impact on the retained trees adjacent to the road of the proposed development as detailed in Section 1 above.

7.0 TREE PROTECTION

7.1 *Tree Protective Barriers*

For guidance, once a detailed layout has been drawn up that follows from the outline planning application, and the development phases are known, the following tree protective barrier is recommended to ensure that the trees shown for retention will be suitably protected from on site works.

Figure 1: Protective Fencing Example



1. Standard scaffold poles
2. Uprights to be driven into the ground
3. Panels secured to uprights with wire ties and where necessary standard scaffold clamps
4. Weldmesh wired to the uprights and horizontals
5. Standard clamps
6. Wire twisted and secured on inside face of fencing to avoid easy dismantling
7. Ground level
8. Approximately 0.6m driven into the ground

Example of protective fencing:



8.0 PROPOSED MITIGATION PLANTING

8.1 Following the consent for outline planning permission and as the project develops into a detailed, full planning application a landscape proposal will be drawn up that will help to link the new development and new tree planting with the existing more mature trees on site.

8.2 Any proposed planting should look to fit the space available that it can either grow to maturity with little pruning management or be planted in mind to have a long term management regime to maintain trees as pollards or reduced crowns.

9.0 CONCLUSION

9.1 It is anticipated that a detailed design layout can be achieved following the granting of outline planning permission, which is sympathetic to the existing tree cover of the site, that is worthy of retention and which is of value to the immediate area and the site itself.

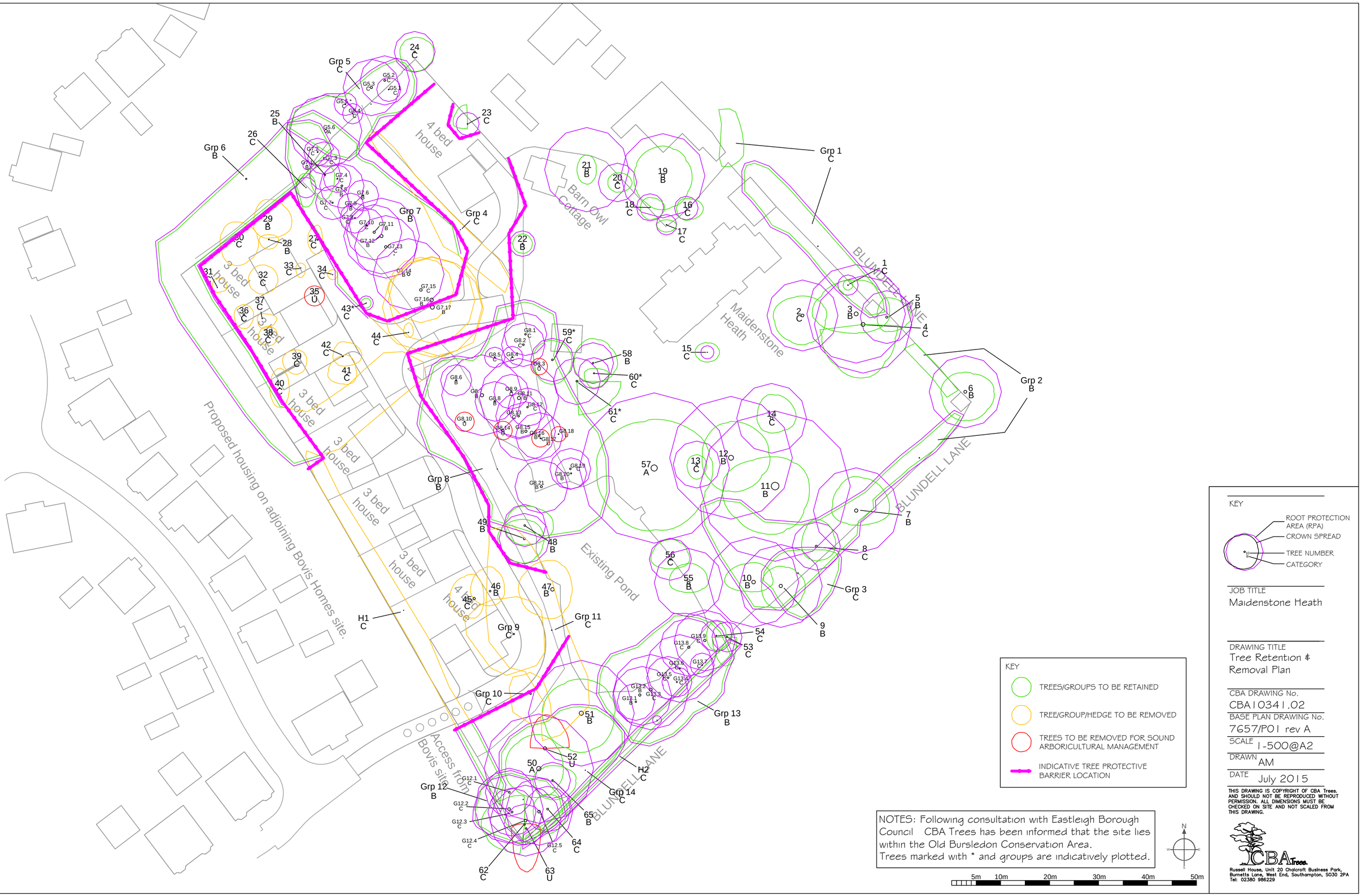
9.2 Tree Retention and Removal Plan CBA10341.02 indicates the trees to be removed and trees to be retained for this outline planning application. It also indicates the location of tree protection barriers to demonstrate that the retained trees can be protected.

9.3 Prior to finalising a detailed design layout as part of a full planning application and the production of the Arboricultural Development Statement (ADS) in support of a full planning application, CBA Trees are able to provide on going and further arboricultural advice on pending development layouts to aid in guiding the design process for planning applications.

Appendices

CB1 Tree Retention and Removal Plan CBA10341.02
CB2 Tree Survey and Tree Survey Plan CBA10341.01
CB3 Qualifications and Experience


CB1



KEY

- TREES/GROUPS TO BE RETAINED
- TREE/GROUP/HEDGE TO BE REMOVED
- TREES TO BE REMOVED FOR SOUND ARBORICULTURAL MANAGEMENT
- INDICATIVE TREE PROTECTIVE BARRIER LOCATION

NOTES: Following consultation with Eastleigh Borough Council CBA Trees has been informed that the site lies within the Old Bursledon Conservation Area.
Trees marked with * and groups are indicatively plotted.

5m 10m 20m 30m 40m 50m

KEY

ROOT PROTECTION AREA (RPA)
CROWN SPREAD
TREE NUMBER
CATEGORY

JOB TITLE
Maidenstone Heath

DRAWING TITLE
Tree Retention & Removal Plan

CBA DRAWING No.
CBA10341.02

BASE PLAN DRAWING No.
7657/P01 rev A

SCALE 1-500@A2

DRAWN AM

DATE July 2015

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CBA Trees.
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CB2

	BS5837:2012 TREE SURVEY REPORT	
	Client:	Mr John Misselbrook
	Site:	Maidenstone Heath
	Date:	25 March 2015
	Consultant:	Stefan Rose *BSc (Hons), TechCert (Arbor.A)* Alex Monk *TechCert (Arbor.A), NCH.Arb*
	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.
   Trees marked with * are indicatively plotted on the 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.
The Local Authority has confirmed that no trees are protected by a Tree Preservation Order (TPO) but that the site is located within the Old Bursledon Conservation Area.

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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
1	Lawson Cypress *Chamaecyparis lawsoniana*	9	S	170	13	2.0	N 1 E 1 S 1 W 1	N 1 E 1 S 1 W 1	Semi-mature	Good	Structural Condition - Good Low hanging branches	None required at time of survey	40+	C1
2	Common Lime *Tilia europaea*	11	S	590	157	7.1	N 4 E 5 S 6 W 6	N 2 E 2 S 2 W 1	Mature	Good	Structural Condition - Good Basal suckers Ivy on trunk Previously crown reduced	None required at time of survey	40+	C1
3	Common Yew *Taxus baccata*	10	S	820	304	9.8	N 7 E 7 S 4 W 9	N 2.5 E 3 S 3 W 2	Early Mature	Good	Structural Condition - Good Crown shape distorted due to group pressure Epicormics on trunk and in crown Ivy on trunk Low hanging branches Minor deadwood in crown Old pruning wounds Grows with T4 Weighted North-east Multi-stemmed by 5m above ground level	None required at time of survey	40+	B1+2
4	Common Yew *Taxus baccata*	8	S	810	297	9.7	N 0 E 7 S 11 W 9	N 8 E 3 S 1 W 1.5	Early Mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Epicormics on trunk and in crown Ivy on trunk Minor deadwood in crown Low hanging branches Old pruning wounds Grows with T3 Heavily weighted South	None required at time of survey	40+	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
5	Common Yew *Taxus baccata*	8	S	440	88	5.3	N 4 E 5 S 3 W 2	N 3 E 3 S 3 W 4	Semi-mature	Good	Structural Condition - Fair Boundary line tree Ivy on trunk Minor deadwood in crown Epicormics on trunk Leans North-east	None required at time of survey	40+	B1
6	Common Horse Chestnut *Aesculus hippocastanum*	15	S	600	163	7.2	N 4 E 6 S 6 W 5	N 3 E 5 S 2 W 2	Mature	Good	Structural Condition - Good Offsite tree Unable to verify health and safety due to no access	Gain access and resurvey within 1 month	40+	B1 Interim
7	Holm Oak *Quercus ilex*	9	MS	440 560	230	8.5	N 7 E 7 S 3 W 5	N 2 E 4 S 4 W 4	Early Mature	Good	Structural Condition - Fair Old pruning wounds Bifurcated at 1.5m above ground level	None required at time of survey	40+	B1
8	Common Yew *Taxus baccata*	8	S	400	72	4.8	N 5.5 E 4 S 3 W 3	N 2 E 2 S 1 W 2	Semi-mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Trunk shape distorted due to group pressure Old pruning wounds Low hanging branches Minor deadwood in crown Epicormics on trunk and in crown	None required at time of survey	40+	C1+2
9	Holm Oak *Quercus ilex*	15	S	690	215	8.3	N 4 E 5 S 5 W 4	N 3 E 4 S 3 W 3	Mature	Good	Structural Condition - Good Minor deadwood in crown Old pruning wounds	None required at time of survey	40+	B1
10	Pedunculate Oak *Quercus robur*	18	S	750	254	9.0	N 4 E 4 S 2 W 6	N 8 E 8 S 8 W 8	Mature	Fair	Structural Condition - Fair Crown shape distorted Minor deadwood in crown Old pruning wounds	None required at time of survey	40+	B1

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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
11	Monterey Pine *Pinus radiata*	25	S	1590	707	15	N 6 E 7 S 10 W 11	N 5 E 4 S 6 W 5	Mature	Good	Structural Condition - Good Crown shape distorted Ivy on trunk Major deadwood in crown Old pruning wounds	Remove major deadwood and stubs	20+	B1
12	Deodar Cedar *Cedrus deodara*	26	S	1020	471	12.2	N 7.5 E 8 S 7 W 6	N 1 E 1 S 2 W 2	Mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Old pruning wounds Low hanging branches Major deadwood in crown Tight forks with included bark Multi-stemmed at approximately 18m above ground level	Remove major deadwood	20+	B1+2
13	Common Holly *Ilex aquifolium*	5	S	390	69	4.7	N 2 E 2 S 3 W 2	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Fair Old pruning wounds Minor deadwood in crown Bifurcated at 1.75m above ground level	None required at time of survey	20+	C1
14	Weeping Ash *Fraxinus pendula*	7	S	580	152	7.0	N 5 E 5 S 3 W 3	N 1 E 1 S 2 W 3	Early Mature	Good	Structural Condition - Fair Ivy on trunk Old pruning wounds Storm damage	None required at time of survey	20+	C1
15	Maple *Acer sp.*	5	S	110	5	1.3	N 2 E 2.5 S 2 W 2.5	N 1 E 1 S 1 W 1	Early Mature	Good	Structural Condition - Fair Old pruning wounds Tight forks with included bark Minor deadwood in crown Bifurcated at ground level but only one main stem	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
16	Common Laburnum *Laburnum anagyroides*	6	MS	80	17	2.4	N 2 E 3.5 S 2.5 W 2	N 1.5 E 1.5 S 1.5 W 1.5	Early Mature	Fair	Structural Condition - Fair Ivy on trunk and in crown Offsite tree Old pruning wounds Low hanging branches	None required at time of survey	10+	C1
17	Flowering Cherry *Prunus sp.*	5	MS	120 120	13	2.0	N 1 E 2 S 1.5 W 2	N 2 E 2 S 2 W 2	Early Mature	Good	Structural Condition - Fair Crown shape distorted Offsite tree Old pruning wounds Low hanging branches Minor deadwood in crown Bifurcated at 1.2m above ground level	None required at time of survey	10+	C1
18	Mountain Ash *Sorbus aucuparia*	7	MS	80	23	2.7	N 2 E 3 S 2.5 W 2	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Ivy on trunk and in crown Minor deadwood in crown Offsite tree Multi-stemmed at approximately 1m above ground level	None required at time of survey	10+	C1
19	Common Lime *Tilia europaea*	22	S	700	222	8.4	N 6 E 6 S 7 W 6	N 4 E 4 S 4 W 4	Mature	Good	Structural Condition - Good Epicormics on trunk and in crown Old pruning wounds Offsite tree Major deadwood in crown Previously crown reduced	None required at time of survey	20+	B1+2
20	Leyland Cypress *X Cupressocyparis leylandii*	7	S	320	46	3.8	N 2 E 3 S 2 W 2	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Good Minor deadwood in crown	None required at time of survey	20+	C1
21	Common Yew *Taxus baccata*	8	S	700	222	8.4	N 3 E 2 S 3 W 2	N 2 E 2 S 2 W 1	Mature	Good	Structural Condition - Fair Minor deadwood in crown Old pruning wounds	None required at time of survey	40+	B1

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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
22	Paperbark Maple *Acer griseum*	5	MS	140 160	20	2.6	N 2 E 2 S 2 W 2	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Good Bifurcated at 1.1m above ground level	None required at time of survey	40+	B1
23	Apple *Malus sp.*	4	MS	120 100 110	16	2.3	N 4 E 0 S 1 W 3	N 2 E 4 S 2 W 2.5	Semi-mature	Good	Structural Condition - Fair Crown shape distorted Old pruning wounds Leans West Multi-stemmed at 1m above ground level	None required at time of survey	10+	C1
24	Grey Poplar *Populus canescens*	10	S	340	52	4.1	N 3 E 4 S 4 W 3	N 3 E 3 S 3 W 3	Semi-mature	Fair	Structural Condition - Fair Offsite tree Old pruning wounds Minor deadwood in crown Unable to verify health and safety due to no access Previously topped at 10m above ground level	None required at time of survey	10+	C1 Interim
25	Norway Maple *Acer platanoides*	14	S	260	31	3.1	N 2 E 2 S 5 W 3	N 4 E 4 S 4 W 4	Semi-mature	Good	Structural Condition - Fair Minor deadwood in crown	None required at time of survey	40+	B1
26	Common Hazel *Corylus avellana*	5	MS	70	13	2.1	N 3 E 2 S 4 W 2	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Fair Basal suckers Multi-stemmed at ground level	None required at time of survey	20+	C1
27	Apple *Malus sp.*	5	S	280	35	3.4	N 3 E 1 S 3 W 2	N 3 E 3 S 2 W 3	Early Mature	Fair	Structural Condition - Fair Minor deadwood in crown Old pruning wounds	None required at time of survey	40+	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
28	Pedunculate Oak *Quercus robur*	11	S	200	18	2.4	N 1 E 2 S 2 W 2	N 7 E 4 S 4 W 3	Veteran	Good	Structural Condition - Good Ivy on trunk	None required at time of survey	40+	B1
29	Pedunculate Oak *Quercus robur*	12	MS	180 190 240	57	4.3	N 5 E 5 S 3 W 3	N 4 E 2 S 5 W 3	Semi-mature	Good	Structural Condition - Good Trifurcated at ground level	None required at time of survey	40+	B1
30	Apple *Malus sp.*	10	MS	110	38	3.5	N 4 E 5 S 5 W 3	N 3 E 1 S 1 W 2	Early Mature	Fair	Structural Condition - Fair Minor deadwood in crown Multi-stemmed at ground level	None required at time of survey	20+	C1
31	Plum *Prunus Domestica*	5	S	120	7	1.4	N 2 E 2 S 1 W 1	N 2 E 2 S 2 W 3	Semi-mature	Fair	Structural Condition - Fair Trunk and crown shape distorted Minor deadwood in crown	None required at time of survey	10+	C1
32	Apple *Malus sp.*	4	MS	70	18	2.4	N 3 E 3 S 3 W 3	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Multi-stemmed at ground level	None required at time of survey	10+	C1
33	Apple *Malus sp.*	3	S	120	7	1.4	N 1 E 1 S 2 W 1	N 1 E 1 S 1 W 1	Semi-mature	Fair	Structural Condition - Fair Crown shape distorted	None required at time of survey	10+	C1
34	Plum *Prunus Domestica*	3	MS	60 60 50	4	1.2	N 1 E 1 S 1 W 1	N 1 E 1 S 1 W 1	Semi-mature	Fair	Structural Condition - Fair Crossing branches Multi-stemmed at 1m above ground level	None required at time of survey	10+	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
35	Plum *Prunus Domestica*	2	S	100	-	-	N 0 E 0 S 0 W 0	N 3 E 2 S 2 W 1	Semi-mature	Poor	Structural Condition - Poor Leans West Decayed stem	Advise removal for reasons of sound arboricultural management	<10	U
36	Common Pear *Pyrus communis*	6	S	310	43	3.7	N 2 E 2 S 3 W 2	N 2 E 3 S 2 W 3	Mature	Fair	Structural Condition - Fair Minor deadwood in crown Old pruning wounds	None required at time of survey	20+	C1
37	Apple *Malus sp.*	2	S	140	9	1.7	N 1 E 3 S 2 W 1	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Leans South-east	None required at time of survey	20+	C1
38	Plum *Prunus Domestica*	7	MS	140 130 90	20	2.5	N 2 E 2 S 2 W 2	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Minor deadwood in crown Multi-stemmed at ground level	None required at time of survey	10+	C1
39	Plum *Prunus Domestica*	8	MS	120 120	13	2.0	N 2 E 2 S 3 W 3	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Minor deadwood in crown Bifurcated at 1m above ground level	None required at time of survey	20+	C1
40	Apple *Malus sp.*	6	S	160	12	1.9	N 4 E 2 S 4 W 2	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Crown shape distorted	None required at time of survey	20+	C1
41	Apple *Malus sp.*	8	S	250	28	3.0	N 4 E 2 S 2 W 4	N 3 E 3 S 3 W 3	Early Mature	Fair	Structural Condition - Fair Crown shape distorted Storm damage	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
42	Apple *Malus sp.*	5	S	240	26	2.9	N 3 E 4 S 2 W 2	N 2 E 2 S 2 W 2	Semi-mature	Fair	Structural Condition - Fair Old pruning wounds Minor deadwood in crown	None required at time of survey	20+	C1
43*	Apple *Malus sp.*	2	S	120	7	1.4	N 1 E 1 S 1 W 1	N 1 E 1 S 1 W 1	Semi-mature	Fair	Structural Condition - Fair Low hanging branches	None required at time of survey	20+	C1
44	Apple *Malus sp.*	2	S	120	7	1.4	N 2 E 1 S 1 W 1	N 1 E 1 S 1 W 1	Semi-mature	Good	Structural Condition - Fair Old pruning wounds	None required at time of survey	20+	C1
45	Pedunculate Oak *Quercus robur*	9	MS	220 230 200 310	108	5.8	N 5 E 2 S 4 W 5	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Multi-stemmed at ground level	None required at time of survey	40+	C1
46	Silver Birch *Betula pendula*	13	S	360	59	4.3	N 5 E 3 S 3 W 4	N 4 E 4 S 4 W 4	Mature	Good	Structural Condition - Good Ivy on trunk Minor deadwood in crown	None required at time of survey	20+	B1
47	Common Alder *Alnus glutinosa*	14	MS	560 500	255	9.0	N 6 E 4 S 6 W 7	N 2 E 1 S 5 W 5	Mature	Good	Structural Condition - Fair Minor deadwood in crown Crown shape distorted due to group pressure Bifurcated at ground level	None required at time of survey	20+	B1

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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
48	Common Alder *Alnus glutinosa*	15	S	350	55	4.2	N 4 E 6 S 4 W 4	N 4 E 3 S 3 W 4	Early Mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Epicormics on trunk and in crown Basal suckers Old pruning wounds Minor deadwood in crown Grows on pond edge Bifurcated at 6m above ground level Weighted East	None required at time of survey	20+	B1+2
49	Sycamore *Acer pseudoplatanus*	16	S	420	80	5.0	N 4 E 4 S 5 W 5.5	N 3.5 E 8 S 4 W 3.5	Early Mature	Good	Structural Condition - Fair Crown shape distorted due to group pressure Ivy on trunk and in crown Old pruning wounds Minor deadwood in crown Bifurcated at 6m above ground level Pond to East	Sever ivy	20+	B1+2
50	Pedunculate Oak *Quercus robur*	20	S	910	375	10.9	N 7 E 5 S 6 W 7	N 2 E 7 S 8 W 7	Mature	Good	Structural Condition - Good Good shape and form Minor deadwood in crown	None required at time of survey	40+	A1
51	Common Ash *Fraxinus excelsior*	20	S	880	350	10.6	N 7 E 7 S 8 W 8	N 6 E 8 S 8 W 10	Mature	Good	Structural Condition - Fair Crown shape distorted Minor deadwood in crown Old pruning wounds Storm damage	None required at time of survey	40+	B1
52	Monterey Cypress *Cupressus macrocarpa*	13	S	670	-	-	N 7 E 5 S 0 W 3	N 5 E 4 S 13 W 5	Mature	Fair	Structural Condition - Poor Branch tear Bark wound Branch tearout wound Leans North Decayed stem	Advise removal for reasons of sound arboricultural management	<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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
53	Pedunculate Oak *Quercus robur*	10	S	250	28	3.0	N 0 E 2 S 6 W 3	N 13 E 2 S 6 W 6	Semi-mature	Good	Structural Condition - Fair Ivy on trunk Leans South	None required at time of survey	20+	C1
54	Common Holly *Ilex aquifolium*	9	MS	180 190	31	3.1	N 3 E 2 S 3 W 2	N 2 E 2 S 2 W 2	Semi-mature	Good	Structural Condition - Fair Bifurcated at 0.5m above ground level	None required at time of survey	20+	C1
55	Common Alder *Alnus glutinosa*	17	S	570	147	6.8	N 4 E 4 S 2 W 4	N 3 E 3 S 3 W 3	Early Mature	Good	Structural Condition - Good Ivy on trunk Minor deadwood in crown	None required at time of survey	40+	B1
56	Common Alder *Alnus glutinosa*	7	S	350	55	4.2	N 4 E 4 S 2 W 4	N 3 E 3 S 3 W 3	Semi-mature	Fair	Structural Condition - Fair Branch tearout wound Branch tear Lost leader	None required at time of survey	10+	C1
57	Pedunculate Oak *Quercus robur*	20	S	1300	707	15	N 10 E 12 S 13 W 12	N 3 E 5 S 3 W 6	Mature	Good	Structural Condition - Good Deadwood and stubs Ivy on trunk Good shape and form	Remove major deadwood and stubs	40+	A1
58	Pedunculate Oak *Quercus robur*	17	S	340	52	4.1	N 5 E 5 S 4 W 4	N 5 E 5 S 5 W 5	Semi-mature	Good	Structural Condition - Good Minor deadwood in crown Tall and etiolated	None required at time of survey	40+	B1
59*	Common Holly *Ilex aquifolium*	9	S	360	59	4.3	N 4 E 4 S 5 W 4	N 0 E 0 S 0 W 0	Early Mature	Good	Structural Condition - Fair Low hanging branches	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
60*	Common Yew *Taxus baccata*	7	S	260	31	3.1	N 1 E 3 S 3 W 2	N 2 E 2 S 2 W 2	Young	Good	Structural Condition - Fair Crown shape distorted due to group pressure Developing tree	None required at time of survey	40+	C1
61*	Box Elder *Acer negundo*	7	S	390	69	4.7	N 0 E 9 S 7 W 0	N 7 E 3 S 2 W 2	Mature	Fair	Structural Condition - Fair Heavy lean to South-east	None required at time of survey	10+	C1
62	Pedunculate Oak *Quercus robur*	8	S	340	52	4.1	N 6 E 0 S 6 W 9	N 3 E 8 S 4 W 4	Early Mature	Good	Structural Condition - Poor Crown shape distorted due to group pressure Epicormics in crown Low hanging branches Minor deadwood in crown Heavily distorted trunk Weighted West	None required at time of survey	20+	C1
63	Norway Maple *Acer platanoides*	8	S	340	-	-	N 1 E 3 S 9 W 3	N 4 E 4 S 4 W 4	Early Mature	Fair	Structural Condition - Poor Major deadwood in crown Of limited value Poor quality tree Major cavity at base of trunk on South side	Advise urgent removal of roadside tree within 6 months	<10	U
64	Common Beech *Fagus sylvatica*	13	S	380	65	4.6	N 3 E 4 S 5 W 3	N 5 E 5 S 6 W 6	Early Mature	Fair	Structural Condition - Fair Crown shape distorted due to group pressure Trunk shape distorted due to group pressure Ivy on trunk Minor deadwood in crown Trifurcated at 5m above ground level	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
65	Common Yew *Taxus baccata*	9	S	300	41	3.6	N 3 E 5 S 4 W 4	N 1 E 1 S 1 W 1	Semi-mature	Good	Structural Condition - Good Low hanging branches Epicormics on trunk and in crown Minor deadwood in crown	None required at time of survey	40+	B1+2
Grp 1	Common Ash	9	S	150	10	1.8	N - E - S - W -	N - E - S - W -	Young	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Offsite trees Minor deadwood in crowns Natural regeneration growing in roadside verge Separated from site by 3m high brick wall	None required at time of survey	10+	C2
Grp 2	Eleagnus Buddleija Ash Hawthorn Holm Oak Holly Rhododendron Mixed shrubs	6	S	150	10	1.8	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 Old pruning wounds Low hanging branches Minor deadwood in crowns Boundary edge group of established shrubs Some are multi-stemmed at various heights	None required at time of survey	20+	B2
Grp 3	Holm Oak x 8	9	S	220	22	2.6	N - E - S - W -	N - E - S - W -	Semi-mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Trunk shapes distorted due to group pressure Old pruning wounds Low hanging branches Minor deadwood in crowns Ivy on trunks Appear to be offsite Most stems lean and weighted South	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 4	Alder Goat Willow	6	MS	75	15	2.2	N - E - S - W -	N - E - S - W -	Young	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Multi-stemmed at ground level Growing in and on stream/drainage ditch Natural regeneration	None required at time of survey	10+	C2
Grp 5	Ash Wild Cherry Pear Hazel 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 Old pruning wounds Minor deadwood in crowns Low hanging branches Drainage ditch/stream runs through middle of group Root severance to numerous trees Trees appear to be offsite	None required at time of survey	10+	C2
G5.1	Common Ash		S	200	18	2.4	-	-			Multi-stemmed at 3m above ground level			C1
G5.2	Wild Cherry		S	410	76	4.9	-	-	Early Mature		Historically windblown Possibly offsite			C1
G5.3	Common Pear		S	470	100	5.6	-	-	Mature		Possibly offsite Recent ditch works to West side of tree has severed significant roots approximately 1m from base of tree			C1
G5.4	Common Hazel		MS	100 80 110	13	2.0	-	-	Semi-mature		Multi-stemmed at ground level Possibly off-site			C1
G5.5 *	Norway Maple		S	190	16	2.3	-	-	Semi-mature		Possibly off-site			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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G5.6	Norway Maple		S	600	163	7.2	-	-	Mature		Ivy on trunk			A1
Grp 6	Ash Holly Pedunculate Oak Hazel Goat Willow Field Maple	8	S	260	31	3.1	N - E - S - W -	N - E - S - W -	Semi-mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Low hanging branches Minor deadwood in crowns Old pruning wounds Trunk and crown shapes distorted Some trees are offsite Ivy growing on some trunks	None required at time of survey	20+	B1+2
Grp 7	Pedunculate Oak Scots Pine Holm Oak Holly Yew	18	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 Ditch line tree Epicormics on trunk and in crown Growing on bank Ivy on trunk and in crown Low hanging branches Major deadwood in crown Old pruning wounds Ditch to West of group Understorey of Holly and Holm Oak	Remove major deadwood	40+	B2+1
G7.1	Pedunculate Oak		S	70	2	0.8	-	-	Mature		Offsite			B1+2
G7.2	Common Holly		S	230	24	2.8	-	-	Early Mature		Offsite			C1+2
G7.3	Common Yew		S	270	33	3.2	-	-	Semi-mature					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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G7.4	Common Holly		S	230	24	2.8	-	-	Early Mature					C1+2
G7.5	Pedunculate Oak		S	369	62	4.4	-	-	Semi-mature		Ivy on trunk and in crown			B1+2
G7.6	Pedunculate Oak		S	260	31	3.1	-	-	Semi-mature		Bifurcated at 2.5m above ground level			B1+2
G7.7	Pedunculate Oak		MS	120 190 170	36	3.4	-	-	Semi-mature		Trifurcated at ground level			C1+2
G7.8	Pedunculate Oak		S	220	22	2.6	-	-	Semi-mature		Ivy on trunk and in crown			B1+2
G7.9	Pedunculate Oak		S	250	28	3.0	-	-	Semi-mature		Trunk and crown shape distorted due to group pressure			C1+2
G7.10	Holm Oak		MS	230 170	37	3.4	-	-	Semi-mature		Bifurcated at 1m above ground level			C1+2
G7.11	Scots Pine		S	460	96	5.5	-	-	Early Mature		Decay to buttress on South side			B1+2
G7.12	Pedunculate Oak		S	630	180	7.6	-	-	Mature		Trunk shape distorted			B1+2
G7.13	Scots Pine		S	520	122	6.2	-	-	Mature		Trunk and crown shape distorted due to group pressure Canopy appears sparse			C1+2
G7.14	Scots Pine		S	590	157	7.1	-	-	Mature		Ivy on trunk and in 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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G7.15	Holm Oak		MS	280 130 380 240	134	6.5	-	-	Early Mature		Trifurcated at ground level Northern-most stem bifurcated at 1m above ground level One stem heavily reduced due to decay but one stem remains Central-most stem has spiralling bark wound Southern-most stem has bark wound and decay in lower trunk			C1+2
G7.16	Pedunculate Oak		S	720	235	8.6	-	-	Mature		In decline Apical dieback			B1+2
G7.17	Scots Pine		S	830	312	10.0	-	-	Mature		Bifurcated at 6m above ground level Crown shape distorted Weighted West			B1+2
Grp 8	Alder Sycamore Holly Silver Maple Lime Goat Willow Pedunculate Oak Wild Cherry Crack Willow	12	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 Bark wound Ditch line trees Epicormics on trunks and in crowns Ivy on trunks Low hanging branches Major deadwood in crowns Old pruning wounds Trunk shapes distorted due to group pressure Basal suckers	Remove deadwood and poor quality trees if target changes	20+	B1+2
G8.1	Common Alder		MS	250 250	56	4.2	-	-	Early Mature		Bifurcated at ground level Ditch line tree Basal suckers Leans and weighted North			C1+2
G8.2	Common Alder		MS	280 230	59	4.3	-	-	Early Mature		Bifurcated at ground level Basal suckers Ditch line tree Weighted West			C1+2
G8.3	Sycamore		S	-	-	2.5	-	-	Semi-mature		Ditch line tree Partially windblown and heavily leaning East			U

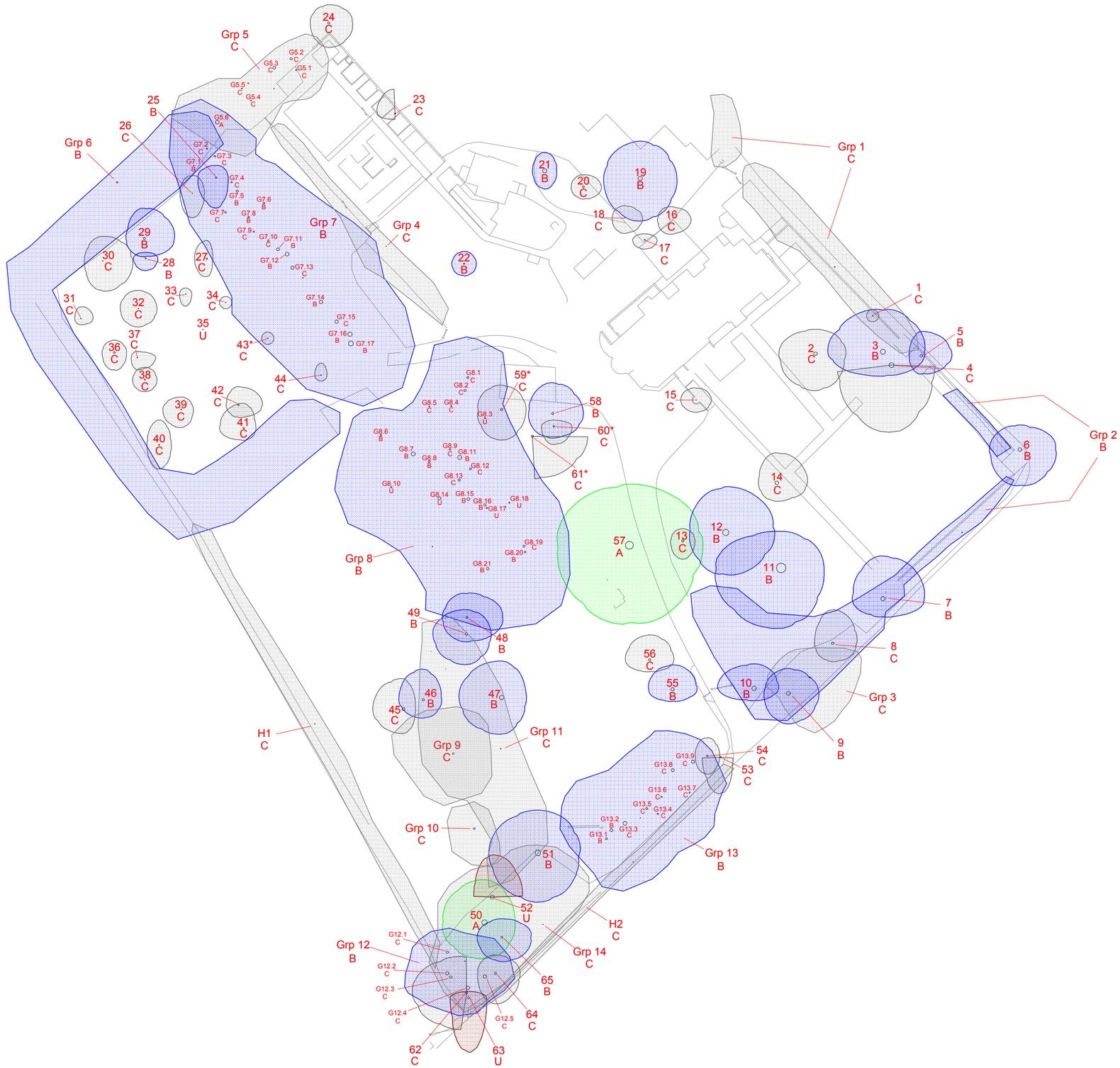
Tree No	Species	H't (m)	Single/ Multi-Stemmed (S or MS)	Stem Diam (mm)	Root Protection Area (m^2)	Root Protection Distance (m)	Branch Spread (m)	H't of Crown AGL (m)	Life Stage	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G8.4	Sycamore		S	180	15	2.2	-	-	Semi-mature					C1
G8.5	Sycamore		S	170	13	2.0	-	-	Semi-mature					C1
G8.6	Sycamore		S	260	31	3.1	-	-	Semi-mature					B1+2
G8.7	Pedunculate Oak		MS	460 490	205	8.1	-	-	Early Mature		Ditch line tree Bifurcated at 1.2m above ground level			B1+2
G8.8	Pedunculate Oak		S	330	49	4.0	-	-	Semi-mature					B1+2
G8.9	Sycamore		S	290	38	3.5	-	-	Semi-mature					C1+2
G8.10	Goat Willow		MS	230	24	2.8	-	-	Early Mature		Wind blown Storm damage Multi-stemmed at ground level Three trees growing as one			U
G8.11	Common Lime		S	660	197	7.9	-	-	Mature		Basal suckers Leans and weighted East Bifurcated at 7m above ground level			B1+2
G8.12	Common Lime		S	320	46	3.8	-	-	Semi-mature					C1
G8.13	Silver Maple		S	380	65	4.6	-	-	Early Mature		Trunk and crown shape distorted due to group pressure			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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G8.14	Common Alder		S	490	-	-	-	-	Mature		Leans and heavily weighted South-west Ganoderma fungal fruiting body at 1m above ground level on South side of trunk			U
G8.15	Common Beech		S	490	109	5.9	-	-	Early Mature					B1+2
G8.16	Common Lime		S	390	69	4.7	-	-	Early Mature					B1+2
G8.17	Common Horse Chestnut		MS	190 170	-	-	-	-	Semi-mature		Dead tree			U
G8.18	Common Holly		MS	90 80 90 120	-	-	-	-	Semi-mature		Partially wind blown Ditch line tree Heavily leaning East			U
G8.19	Wild Cherry		S	340	52	4.1	-	-	Early Mature		Leans and weighted West Bifurcated at 5m above ground level			C1
G8.20	Common Alder		S	260	31	3.1	-	-	Early Mature		Ditch line tree Pond to South			B1+2
G8.21	Common Alder		S	440	88	5.3	-	-	Mature		Ivy on trunk and in crown Ditch line tree Pond to South			B1+2
Grp 9	Western Red Cedar x 11	13	S	290	38	3.5	N - E - S - W -	N - E - S - W -	Early Mature	Fair	Structural Condition - Fair Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Low hanging branches Minor deadwood in crowns Ivy on trunks Closely planted group	None required at time of survey	20+	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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
Grp 10	Western Red Cedar	12	S	300	41	3.6	N - E - S - W -	N - E - S - W -	Semi-mature	Fair	Structural Condition - Fair Crown shapes distorted due to group pressure Ivy on trunks Low hanging branches Minor deadwood in crowns	None required at time of survey	20+	C1+2
Grp 11	Goat Wiilow Elder	6	S	150	10	1.8	N - E - S - W -	N - E - S - W -	Semi-mature	Fair	Structural Condition - Fair Crown shapes distorted due to group pressure Epicormics on trunks and in crowns Ivy on trunks Low hanging branches Old pruning wounds Minor deadwood in crowns Self set natural regeneration Some trees have been topped Some storm damage Sporadic group	None required at time of survey	10+	C2
Grp 12	Corsican Pine	20	S	See below	See below	See below	N - E - S - W -	N - E - S - W -	Mature	Good	Structural Condition - Fair Crown shapes distorted due to group pressure Deadwood and stubs Ivy on trunks	None required at time of survey	20+	B1+2
G12.1	Corsican Pine		S	400	72	4.8	-	-	Early Mature					C1+2
G12.2	Corsican Pine		S	570	147	6.8	-	-	Mature					C1+2
G12.3	Corsican Pine		S	400	72	4.8	-	-	Early Mature					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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G12.4	Corsican Pine		S	590	157	7.1	-	-	Mature					C1+2
G12.5	Corsican Pine		S	560	142	6.7	-	-	Mature					C1+2
Grp 13	Alder Sycamore Pedunculate Oak	18	MS	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 Low hanging branches Major deadwood in crowns Old pruning wounds Mostly Multi-stemmed at ground level Pond to North Ivy on some trunks	Sever ivy Remove major deadwood	20+	B1+2
G13.1	Sycamore		S	310	43	3.7	-	-	Early Mature					B1+2
G13.2	Common Alder		S	490	109	5.9	-	-	Early Mature		Subsidary stem on South side is dead			B1+2
G13.3	Common Alder		MS	400 380 220 200	178	7.5	-	-	Early Mature		Multi-stemmed at ground level Brambles and pond limit survey			C1+2
G13.4	Common Alder		S	250	28	3.0	-	-	Early Mature					C1+2
G13.5	Common Alder		MS	160 140 180 220	57	4.3	-	-	Semi-mature					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	Physio-logical Condition	Structural Condition and General Observations	Preliminary Management Recommendations	Est. Rem. Contrib. (Yrs)	Cat
G13.6	Common Alder		MS	230	144	6.8	-	-	Early Mature		Multi-stemmed at ground level Ivy on trunks			C1+2
G13.7	Pedunculate Oak		MS	120 160	18	2.4	-	-	Semi-mature		Bifurcated at ground level			C1+2
G13.8	Common Alder		MS	140 220 240 200 260	105	5.8	-	-	Early Mature		Multi-stemmed at ground level One trunk is decaying with numerous fungal fruiting body that leans over pond			C1+2
G13.9	Common Alder		MS	370 350	117	6.1	-	-	Mature		Bifurcated at ground level Ivy on trunks			C1+2
Grp 14	Hawthorn Elm Sycamore Pedunculate Oak	6	S	100	5	1.2	N - E - S - W -	N - E - S - W -	Young	Fair	Structural Condition - Fair Crown shapes distorted due to group pressure Tall and etiolated due to group pressure Natural regeneration under more mature trees	None required at time of survey	10+	C1+2
H1	Common Hawthorn	3	S	75	3	0.9	N - E - S - W -	N - E - S - W -	Early Mature	Fair	Structural Condition - Fair Old laid hedge now unmaintained and smothered in brambles	Cut brambles back and clip hedge into more formal hedge	10+	C2
H2	Privet Hawthorn Holly	2.5	S	75	3	0.9	N - E - S - W -	N - E - S - W -	Semi-mature	Fair	Structural Condition - Fair Crown shapes distorted due to group pressure Low hanging branches Boundary line hedge becoming unmanaged	Clip to regain formal shape	10+	C2



Following consultation with Eastleigh Borough Council CBA Trees has been informed that the site lies within the Old Bursledon Conservation Area.

NOTE:
Root Protection Areas and Shading Arcs not shown on this plan
Trees marked with * and groups are indicatively plotted

Crown Spread | Root Protection Area | Shading Arc

Category 'A' | Category 'B' | Category 'C' | Category 'U'

0 — 60m

CBA Trees
Russell House,
Unit 20 Chalcroft Business Park
Burnetts Lane, West End
Southampton, SO30 2PA
Tel: 02380 986229

10341
Maidenstone Heath
Tree Survey Plan

SCALE :	DATE :
1 : 500 @ A2	01/04/2015

MAP FILENAME :
CBA10341.01 TSP

N

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