



Arboricultural Report BS5837:2012

Address:

Caterpillar UK Ltd, Peckleton Lane, Desford, Leicester, LE9 9JT

Apex Environmental Ltd

A: 3 Lawrence Way, Lichfield, WS13 6RD

T: 0121 249 1235

E: info@ael-treeconsultants.co.uk

W: www.ael-treeconsultants.co.uk

Author: Reuben Hayes

Project ref: AEL-18910



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Reuben Hayes



Contact details

Client	Address	Caterpillar UK Ltd, Peckleton Lane, Desford, Leicester, LE9 9JT
	Name	JJL Design
	Contact	
Architect	Company	JJL Design and Build
	Address	Crag Mount, Leigh Lane, Bramshall, Uttoxeter, ST14 5BQ
	Contact	
	Email	

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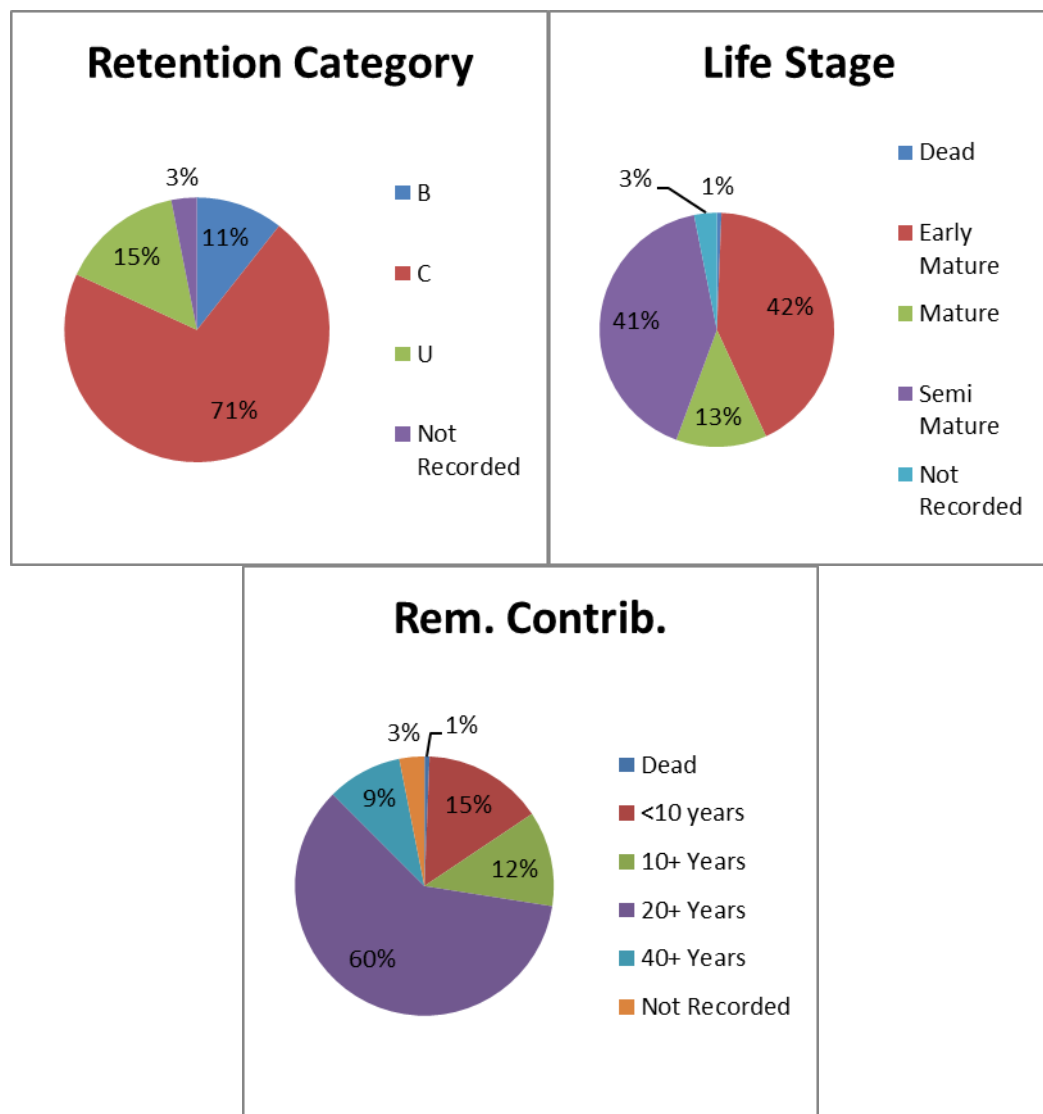
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1. Summary

1.1 Outline of proposal

Car park extension to include new EV points, motorcycle bays and additional parking bays.

1.2 Summary of trees



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Common Name	No. trees
Common ash	19
Common beech	61
Corsican pine	5
Downy birch	8
Field maple	11
Hornbeam	8
Mixed species	4
Narrow leaved ash	1
Norway maple	3
Not identified	5
Paperbark maple	2
Pear	2
Pedunculate oak	3
Rowan	9
Silver birch	13
White willow	2
Wild cherry	2
Willow	2
Total	160



2. Particulars of instruction

- 2.1 This report has been prepared to discharge the instruction of the client, JIL Design 'The Client' in respect of detailed planning permission at Caterpillar UK Ltd, Peckleton Lane, Desford, Leicester, LE9 9JT
- 2.2 The Client has commissioned a tree survey in compliance with *BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations* to prepare a tree survey, Arboricultural Constraints Assessment, Arboricultural Impact Assessment, Tree Protection Plan and heads and terms of a Method Statement for the trees at the site.
- 2.3 The site survey was carried out on the 2nd March 2024. The relevant qualitative and quantitative tree data and information was recorded to assess the condition of the trees and their constraints upon the proposed development and to provide a summary of any proposed protection and construction specification required.
- 2.4 I have based this report on my site observations and the information I have been provided with, and I have come to conclusions in the light of my experience as an arboriculturist. I include a summary of my experience and qualifications in Appendix V.

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-
- 2.5 All information given is in accordance with *BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations*.
- I. Identification of tree by number value (collates with the associated plans)
 - II. Common tree species
 - III. Height (m)
 - IV. Stem diameter (mm) at 1.5m above ground using a DBH tape (or as per BS5837 fig C.1)
 - V. Branch spread to the four cardinal points (m)
 - VI. Existing height above ground of first branch and direction (m)
 - VII. Existing height above ground of canopy (m)
 - VIII. Life stage (Young, Semi Mature, Early Mature, Mature, Over Mature)
 - IX. Estimated remaining contribution (yrs) <10, 10+, 20+, 40+
 - X. General observations, condition and preliminary management recommendations, physical condition and structural defects
 - XI. Category (as per BS5837 Table 1)
 - XII. Root Protection Area (RPA) radius (m)
 - XIII. Root Protection Area (RPA) m²



3. Caveats

This advice and all appendices are subject to the following caveats:

- 3.1. This report is nullified if any remedial works are undertaken on any area of the site, on or after the date of study/survey.
- 3.2. The report is only valid on the date on inspection and any deletion, editing or alteration will void it in its entirety.
- 3.3. Apex Environmental Ltd does not assume responsibility for any works undertaken on the basis of the recommendations in this report or for any legal matters that may arise as a consequence.
- 3.4. The report is not valid in adverse or unpredictable weather conditions or for any failure due to *force majeure*.
- 3.5. Apex Environmental Ltd does not assume liability for any misuse, misinterpretation or misrepresentation of information contained in this report.
- 3.6. This report has been compiled using only the information made available to the author at the date of inspection.
- 3.7. Unless described as 'detailed', this assessment is of a preliminary nature. It was conducted from ground only, the tree(s) were not climbed or inspected below ground level (including roots). There was no use of decay detection equipment, and only basic surveying instruments were used.
- 3.8. At the time of writing, the author did not have any information as to the integrity of the main structure, its annexes or the drainage system.
- 3.9. Water supply/drainage systems, if damaged, can allow roots to penetrate. However, if the system is sound, or after repair, roots have little capacity to access/damage underground services.
- 3.10. Any doubt as to the structural condition of properties on site would require the advice of a structural engineer.

4. Scope of report

- 4.1 The aim of this report is to give guidance under *BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations*. This will help to facilitate a harmonious and sustainable situation and long-term development.
- 4.2 The report will identify the value and quality of the woody vegetation on and within impacting distance of the site. All data gathered will be used to identify and address the impact that vegetation will have on the proposed development and the impact the development will have on the vegetation.

5. Documents supplied

Document title	Document Ref	Format	By whom	Date given
Desford Caterpillar Topographical Survey		DWG	Client	21/02/2024
CAT Topographical survey		DWG	Client	21/02/2024
Existing car park plan	A257-90_01	DWG	Client	21/02/2024
Proposed car park plan	A257-90_01	DWG	Client	01/03/2024

6. Legal and policy information

6.1. Tree Protection

Protection	Status	Comments
Tree Preservation Order	No	Online confirmation
Conservation Area	No	Online confirmation

6.2. Wildlife protection

Under the Wildlife & Countryside Act 1981 and the Countryside and Rights of Way Act 2000, it is a criminal offence under normal circumstances to disturb or destroy – whether intentional or unintentional - the nesting sites of wild birds or the roost sites of bats. You should therefore avoid carrying out significant tree works during the bird nesting season [mid- March to end of July], and you should ensure that trees are professionally surveyed for signs of bat roosts and/or bat activity before starting any tree work. Further advice on protected species can be obtained from the local office of Natural England.

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6.3. Felling licence

Tree felling can also be restricted under the Forestry Act 1967. Under this act, there is an exemption from the need for a felling licence for 'Felling necessary for the prevention of danger or the prevention or abatement of a nuisance'.

If full planning consent is granted for the current proposal, then any trees that need to be felled in order to implement the approved plans are exempt from this statutory protection. It should also be considered that any proposed tree works detailed in the tree schedule are also implemented as part of the planning decision consent.

7. Site description

- 7.1 The site is part of the wider caterpillar factory complex and is 6.5 miles south west of Leicester.
- 7.2 Currently the land is a large car park area with open grass areas to the south and north of the site.
- 7.3 The site is accessed via the main service road which has good access to the site. Due to the nature of the site the entranceway has wide access and the importing of materials will not be hindered by vegetation.
- 7.4 The site location is shown in red.



Source: www.google.com

7.5 Soil assessment

The assessment determines whether the soil is shrinkable. If it is, trees and other vegetation have the potential to cause indirect damage to structures. In such cases, further assessments should be carried out and the design of foundations should be considered by a structural engineer.

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No information has been supplied on the soil assessment, details of which will need to be obtained and passed to the arboricultural consultant and structural engineer before the submission of any Arboricultural Method Statement.

7.6 Levels

The site has had a full topographical survey carried out. This has shown any level changes or abrupt changes which may affect the RPA of the trees. Where necessary this has been replicated within the plans.

7.7 Trees surveyed

There is a total of 160 trees have been inspected. This report has only listed the trees in connection to the main development on the site. There are other trees on the site which are not affected by the development; these have been excluded.



8. Tree and vegetation findings

8.1 The tree survey has been carried out in accordance with *BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations*, Section 4.4.

8.2 Tree categorisation method

The purpose of this method is to identify the quality and value of the existing tree stock, allowing informed decisions to be made about which trees should be removed or retrained in the event of development occurring.

A full tree survey has been included in appendix I.

Category U – Those 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.

Category C – Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm.

Category B – Trees of moderate quality with an estimated remaining life expectancy of at least 20 years.

Category A – Trees of high quality with an estimated remaining life expectancy of at least 40 years.

8.3 Any works with regards to the overall application have been listed in this report.

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8.4 Findings

Young	Semi Mature	Middle Aged	Early Mature	Mature	Over Mature	Dead	TOTAL
	71		68	20		1	160

A	B	C	U
	17	119	24

8.5 Review of trees on site

The trees are main set within or around the car park area. This is within smaller planting areas to what would be considered natural or normal for the species of trees. This is leading to confined trees with smaller sizes and crown than normal.

There are also a higher proportion of Ash trees within the site and showing signs of Ash Dieback. These trees will need to be removed.

To the south of the site is an area open ground with trees sat within the land. Some of the trees are Ash and will need to be removed and the others have some defects (although minor).

To the north of the site are two large banks of trees which look to have been planted as part of a screening or mitigation measures. These trees are closely planted and would require thinning works to open up the groups with around 50% removal to allow for the retained trees to grow and develop,

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8.6 Tree works due to arboricultural concerns

The following trees will need to be removed regardless of any application:

Ref.	Species	Survey Notes	Retention Category
T004	Common beech (<i>Fagus sylvatica</i>)	Twin stem tree with included bark areas and deadwood on ground. Several crossing branches and supporting branches in the canopy of the tree. Signs of beech bark disease at the base of the tree Pests and Diseases: Beech Bark Disease (<i>Cryptococcus fagisuga</i>)	U
T006	Common ash (<i>Fraxinus excelsior</i>)	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T007	Common ash (<i>Fraxinus excelsior</i>)	Suppressed tree, signs of ADB and deadwood throughout the canopy Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T008	Common ash (<i>Fraxinus excelsior</i>)	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T009	Common ash (<i>Fraxinus excelsior</i>)	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T010	Common ash (<i>Fraxinus excelsior</i>)	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U

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T016	Common beech (<i>Fagus sylvatica</i>)	Within the shrub bed, canopy over the road and footway. Crossing branches and dieback in the canopy with substantial deadwood	U
T017	Common beech (<i>Fagus sylvatica</i>)	Within the shrub bed, canopy over the road and footway. Crossing branches and dieback in the canopy with substantial deadwood	U
T024	Rowan (<i>Sorbus aucuparia</i>)	Part of a group of trees, dead	U
T053	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Fungus: Inonotus spp Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T054	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T055	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T056	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T065	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Fungus: Inonotus spp Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T066	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases:	U

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		Ash Dieback Infection Level 2: 25% to 50%	
T067	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T077	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T078	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T079	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T080	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T081	Common ash (<i>Fraxinus excelsior</i>)	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U
T092	Rowan (<i>Sorbus aucuparia</i>)	bark peeling in shrub bed	U
T094	Narrow leaved ash (<i>Fraxinus angustifolia</i>)	In shrub bed Pests and Diseases: Ash Dieback Infection Level 3: 50% to 75%	U
T113	Common ash (<i>Fraxinus excelsior</i>)	Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U

9. Constraints posed by existing trees

The RPA and category of the trees retained on site are listed within the Tree Constraints Plan. This information is taken from above-ground site observations. Inspection chambers or other features that may hinder direct root growth have been indicated within the plan, and the indicated RPA has been amended as per *BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations*, Section 5.2.1.

Further constraints imposed by trees include:

- i. Current and ultimate height and spread of tree(s).
- ii. Species characteristic, including canopy type, density of foliage and species susceptibility to external factors such as honey dew, branch drop and fruit fall.
- iii. Shading on property and gardens, or excessive light to rooms (as indicated within the Tree Shadow Plan).
- iv. The presence of Tree Preservation Orders and the presence of Conservation Areas or other regulatory protection.
- v. Potential incompatibilities between the layout and trees.
- vi. Working and access space needed for the construction of the proposed development. This might involve assess facilitation pruning, or the use of a height restriction to prohibit tall vehicles accessing a site containing trees with low canopies.
- vii. The effect that construction requirements might have on the amenity value of trees, both on and near the site, including the effects of pruning to facilitate access and working space.
- viii. The requirement to protect the overhanging canopies of trees where they could be damaged by machinery, vehicles, barriers or scaffolding, where it will be necessary to increase the extent of the tree protection barriers to contain the canopy.
- ix. Infrastructure requirements in relation to trees, e.g. easements for underground or above-ground apparatus, highway safety and visibility splays, and other infrastructural provisions, such as substations, refuse stores, lighting, signage, solar collectors, satellite dishes and CCTV sightlines.
- x. The proposed end use of the space adjacent to retained trees.
- xi. The potential for new planting to provide mitigation for any losses.

10. Arboricultural Impact Assessment

10.1 Amenity value of the trees on site

The trees are not easily seen from a public location and are within a secured location. However, the trees do still have merit and high category trees should be retained where possible.

10.2 Facilitation works

It will be necessary to carry out significant facilitation works as listed with the Tree Work Plan.

10.3 Storage of materials, siting of welfare units and contractor parking

The Tree Protection Plan (TPP) has indicated the most suitable location for the contractors parking and the storage of materials while the main development takes place.

10.4 Background to incursions between layout (drives, parking areas, paths, landscaping) and the trees for retention

Where permanent hard surfacing within the RPA is considered unavoidable, site-specific and specialist arboricultural and construction design advice should be sought to determine whether it is achievable without significant adverse impact on the trees.

The design should not require excavation into the soil, including through lowering of levels and or scraping, other than the removal, using hand tools, of any turf layer or other vegetation.

The structure of the hard surface should be designed to avoid localised compaction by evenly distributing the load.

New permanent hard surfacing should not exceed 20% of any existing unsurfaced ground within the RPA.

In order to maintain the soil volume moisture, the surface should be of permeable hard material (unless there is a risk of water logging of soils). The design should incorporate a three-dimensional design such as 'no-dig' Cell Web. Any 'no-dig' specification has been included within the Tree Protection Plan.

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10.5 Incursions on this project

Tree reference number	Species	Category grading	RPA m ²	Hardstanding Incursion (m ²)	TOTAL %	Significance	Comments
G1	Mixed species (Mixed species)	C2	889	889	100	Significant	The incursion will require the removal of the group of trees.
G2	Common beech x9 (Fagus sylvatica)	C2	128	20	16	Insignificant	The root incursion is minimal and not deemed harmful to the group of trees but may require some trees to be removed.
G4	Wild cherry (Prunus avium) Common beech x9 (Fagus sylvatica)	C2	114	12	11	Insignificant	The root incursion is minimal and not deemed harmful to the group of trees but may require some trees to be removed.
G5	Common beech x9 (Fagus sylvatica)	C2	151	26	17	Insignificant	The root incursion is minimal and not deemed harmful to the group of trees but may require some trees to be removed.
G6	Mixed species (Mixed species)	C2	1382	1382	100	Significant	The incursion will require the removal of the group of trees.

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G7	Mixed species (<i>Mixed species</i>)	C2	542	91	17	Insignificant	The root incursion is minimal and not deemed harmful to the group of trees but may require some trees to be removed.
T001	Common beech (<i>Fagus sylvatica</i>)	B1	216	216	100	Significant	The incursion will require the removal of the tree.
T002	Common beech (<i>Fagus sylvatica</i>)	B1	163	163	100	Significant	The incursion will require the removal of the tree.
T003	Common beech (<i>Fagus sylvatica</i>)	B1	133	133	100	Significant	The incursion will require the removal of the tree.
T004	Common beech (<i>Fagus sylvatica</i>)	U	137	137	100	Significant	The incursion will require the removal of the tree.
T005	Common beech (<i>Fagus sylvatica</i>)	B1	109	109	100	Significant	The incursion will require the removal of the tree.
T006	Common ash (<i>Fraxinus excelsior</i>)	U	124	124	100	Significant	The incursion will require the removal of the tree.
T007	Common ash (<i>Fraxinus excelsior</i>)	U	34	34	100	Significant	The incursion will require the removal of the tree.
T008	Common ash (<i>Fraxinus excelsior</i>)	U	81	81	100	Significant	The incursion will require the removal of the tree.

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T009	Common ash (<i>Fraxinus excelsior</i>)	U	137	137	100	Significant	The incursion will require the removal of the tree.
T010	Common ash (<i>Fraxinus excelsior</i>)	U	238	238	100	Significant	The incursion will require the removal of the tree.
T011	Common beech (<i>Fagus sylvatica</i>)	B1	113	113	100	Significant	The incursion will require the removal of the tree.
T012	Common beech (<i>Fagus sylvatica</i>)	C1	141	141	100	Significant	The incursion will require the removal of the tree.
T015	Common beech (<i>Fagus sylvatica</i>)	C1	55	55	100	Significant	The incursion will require the removal of the tree.
T018	Corsican pine (<i>Pinus nigra laricio</i>)	B1	121	121	100	Significant	The incursion will require the removal of the tree.
T019	Corsican pine (<i>Pinus nigra laricio</i>)	B1	163	163	100	Significant	The incursion will require the removal of the tree.
T020	Corsican pine (<i>Pinus nigra laricio</i>)	B1	133	133	100	Significant	The incursion will require the removal of the tree.
T022	Field maple (<i>Acer campestre</i>)	C2	88	40	45	Significant	The incursion will require the removal of the tree.

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T023	Field maple (<i>Acer campestre</i>)	C2	88	23	26	Significant	The incursion will require the removal of the tree.
T026	Field maple (<i>Acer campestre</i>)	C2	26	26	100	Significant	The incursion will require the removal of the tree.
T027	Pedunculate oak (<i>Quercus robur</i>)	C2	216	216	100	Significant	The incursion will require the removal of the tree.
T028	Pedunculate oak (<i>Quercus robur</i>)	C2	197	197	100	Significant	The incursion will require the removal of the tree.
T029	Common ash (<i>Fraxinus excelsior</i>)	C2	216	216	100	Significant	The incursion will require the removal of the tree.
T030	Wild cherry (<i>Prunus avium</i>)	C1	125	125	100	Significant	The incursion will require the removal of the tree.
T042	Field maple (<i>Acer campestre</i>)	C1	26	26	100	Significant	The incursion will require the removal of the tree.
T044	Corsican pine (<i>Pinus nigra laricio</i>)	B1	113	53	47	Significant	The incursion will require the removal of the tree.

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T045	Field maple (<i>Acer campestre</i>)	C1	28	28	100	Significant	The incursion will require the removal of the tree.
T046	Paperbark maple (<i>Acer griseum</i>)	C1	3	3	100	Significant	The incursion will require the removal of the tree.
T047	Rowan (<i>Sorbus aucuparia</i>)	C1	5	5	100	Significant	The incursion will require the removal of the tree.
T048	Silver birch (<i>Betula pendula</i>)	C1	32	32	100	Significant	The incursion will require the removal of the tree.
T052	Pedunculate oak (<i>Quercus robur</i>)	C1	167	167	100	Significant	The incursion will require the removal of the tree.
T053	Common ash (<i>Fraxinus excelsior</i>)	U	72	72	100	Significant	The incursion will require the removal of the tree.
T054	Common ash (<i>Fraxinus excelsior</i>)	U	81	81	100	Significant	The incursion will require the removal of the tree.
T056	Common ash (<i>Fraxinus excelsior</i>)	U	92	92	100	Significant	The incursion will require the removal of the tree.

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T057	Hornbeam (<i>Carpinus betulus</i>)	C1	53	56	106	Significant	The incursion will require the removal of the tree.
T058	Common beech (<i>Fagus sylvatica</i>)	C1	41	41	100	Significant	The incursion will require the removal of the tree.
T059	Common beech (<i>Fagus sylvatica</i>)	C1	58	58	100	Significant	The incursion will require the removal of the tree.
T060	Common beech (<i>Fagus sylvatica</i>)	C1	41	41	100	Significant	The incursion will require the removal of the tree.
T061	Common beech (<i>Fagus sylvatica</i>)	C1	41	41	100	Significant	The incursion will require the removal of the tree.
T062	Common beech (<i>Fagus sylvatica</i>)	C1	45	45	100	Significant	The incursion will require the removal of the tree.
T063	Hornbeam (<i>Carpinus betulus</i>)	C1	41	41	100	Significant	The incursion will require the removal of the tree.
T064	Hornbeam (<i>Carpinus betulus</i>)	C1	41	41	100	Significant	The incursion will require the removal of the tree.
T065	Common ash (<i>Fraxinus excelsior</i>)	U	72	72	100	Significant	The incursion will require the removal of the tree.

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10.6 Inclusion of new infrastructure requirements

The design is to include a new car park with lightning and drainage only. This should be possible within the car park area and outside of the RPA of the retained trees.

10.7 Canopy issues on the new development

Shading from the trees will not be an issue on this scheme.

10.8 Potential tree removal to facilitate the development

It will be necessary to remove a number of trees, this will include 58 individual trees, 6 groups of trees and 5 stumps.

Tree Removal	Category	Group Removal	Category
	A		A2
10	B		B2
24	C	6	C2
24	U		U

10.9 Mitigation of tree loss and new planting

No details have been provided however, it would be possible to include a significant planting replacement scheme to the open spaces outside of the car park. This could include a new woodland creation or individual trees around the edge of the car park.

10.10 Potential for future direct damage

There should be minimal future direct damage issues, it may be necessary to carry out general maintenance such as deadwood removal and crown lifting. These are not seen as significant works.

10.11 Future seasonal nuisances

Leaf fall will occur on to the car park, this is a current issue and not seen as significant. The expansion of the car park will not increase this seasonal nuisance.



11. Arboricultural Method Statement

11.1 Key personnel

This will include a project manager, site manager/foreman, workers and additional persons off-loading materials. All personnel on site must report the site manager.

Before any works take place, a toolbox talk must be given from the arboricultural consultant to all workers on site to explain the importance of the trees and how to work around the trees.

11.2 Accidents and emergencies involving trees

Any accidents involving the trees on the site, any emergencies or any spill of liquids or chemicals on site MUST be reported to the lead arboricultural consultant by the site manager within two hours. Following discussion, the arboricultural consultant will produce a plan of action, which may involve non-routine site visits and follow-up visits to make the site safe. All accidents are to be reported on including any treatments such as soil removal, root pruning, de-compaction of soils. This report must be sent to the site manager, project manager and the LPA within five working days.

11.3 Phasing of onsite works

The phasing of the works will take place as follows:

- a. Pre-contract meeting
- b. Tree works
- c. Installation of tree protection fencing
- d. Siting of welfare units and storage of materials
- e. Undertaking and completing construction works
- f. Undertaking and completing all service works
- g. Undertaking external landscape works to areas outside of the tree protection fencing
- h. Removal of tree protection fencing
- i. Undertaking external landscaping works within the tree protection fencing area
- j. Sign off from the construction company and arboricultural consultant (no further involvement is required)

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11.4 Tree works

For reasons of safety, all tree works referred to below must be carried out prior to the delivery of any building materials or any site personnel being engaged to work on the land.

Summary of tree works

Tree reference number	Species	Category grading	Works required	For Development	For Arboriculture
G1	Mixed species (<i>Mixed species</i>)	C2	Remove	Yes	
G2	Common beech x9 (<i>Fagus sylvatica</i>)	C2	Part removal of group	Yes	
G4	Wild cherry (<i>Prunus avium</i>) Common beech x9 (<i>Fagus sylvatica</i>)	C2	Part removal of group	Yes	
G5	Common beech x9 (<i>Fagus sylvatica</i>)	C2	Part removal of group	Yes	
G6	Mixed species (<i>Mixed species</i>)	C2	Remove	Yes	
G7	Mixed species (<i>Mixed species</i>)	C2	Part removal of group	Yes	
S1	Not identified (<i>Not identified</i>)	Not Recorded	Remove	Yes	
S2	Not identified (<i>Not identified</i>)	Not Recorded	Remove	Yes	
S3	Not identified (<i>Not identified</i>)	Not Recorded	Remove	Yes	
S4	Not identified (<i>Not identified</i>)	Not Recorded	Remove	Yes	
S5	Not identified (<i>Not identified</i>)	Not Recorded	Remove	Yes	
T001	Common beech (<i>Fagus sylvatica</i>)	B1	Remove	Yes	
T002	Common beech (<i>Fagus sylvatica</i>)	B1	Remove	Yes	
T003	Common beech (<i>Fagus sylvatica</i>)	B1	Remove	Yes	
T004	Common beech (<i>Fagus sylvatica</i>)	U	Remove		Yes

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T005	Common beech (<i>Fagus sylvatica</i>)	B1	Remove	Yes	
T006	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T007	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T008	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T009	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T010	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T011	Common beech (<i>Fagus sylvatica</i>)	B1	Remove	Yes	
T012	Common beech (<i>Fagus sylvatica</i>)	C1	Remove	Yes	
T013	Common beech (<i>Fagus sylvatica</i>)	B1	Remove	Yes	
T014	Common beech (<i>Fagus sylvatica</i>)	C1	Remove	Yes	
T016	Common beech (<i>Fagus sylvatica</i>)	U	Remove		Yes
T017	Common beech (<i>Fagus sylvatica</i>)	U	Remove		Yes
T018	Corsican pine (<i>Pinus nigra laricio</i>)	B1	Remove	Yes	
T019	Corsican pine (<i>Pinus nigra laricio</i>)	B1	Remove	Yes	
T020	Corsican pine (<i>Pinus nigra laricio</i>)	B1	Remove	Yes	
T022	Field maple (<i>Acer campestre</i>)	C2	Remove	Yes	
T023	Field maple (<i>Acer campestre</i>)	C2	Remove	Yes	
T024	Rowan (<i>Sorbus aucuparia</i>)	U	Remove		Yes
T025	Silver birch (<i>Betula pendula</i>)	C2	Remove	Yes	
T026	Field maple (<i>Acer campestre</i>)	C2	Remove	Yes	
T027	Pedunculate oak (<i>Quercus robur</i>)	C2	Remove	Yes	

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T028	Pedunculate oak (<i>Quercus robur</i>)	C2	Remove	Yes	
T029	Common ash (<i>Fraxinus excelsior</i>)	C2	Remove	Yes	
T030	Wild cherry (<i>Prunus avium</i>)	C1	Remove	Yes	
T042	Field maple (<i>Acer campestre</i>)	C1	Remove	Yes	
T044	Corsican pine (<i>Pinus nigra laricio</i>)	B1	Remove	Yes	
T045	Field maple (<i>Acer campestre</i>)	C1	Remove	Yes	
T046	Paperbark maple (<i>Acer griseum</i>)	C1	Remove	Yes	
T047	Rowan (<i>Sorbus aucuparia</i>)	C1	Remove	Yes	
T048	Silver birch (<i>Betula pendula</i>)	C1	Remove	Yes	
T052	Pedunculate oak (<i>Quercus robur</i>)	C1	Remove	Yes	
T053	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T054	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T055	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T056	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T057	Hornbeam (<i>Carpinus betulus</i>)	C1	Remove	Yes	
T058	Common beech (<i>Fagus sylvatica</i>)	C1	Remove	Yes	
T059	Common beech (<i>Fagus sylvatica</i>)	C1	Remove	Yes	
T060	Common beech (<i>Fagus sylvatica</i>)	C1	Remove	Yes	
T061	Common beech (<i>Fagus sylvatica</i>)	C1	Remove	Yes	
T062	Common beech (<i>Fagus sylvatica</i>)	C1	Remove	Yes	
T063	Hornbeam (<i>Carpinus betulus</i>)	C1	Remove	Yes	

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T064	Hornbeam (<i>Carpinus betulus</i>)	C1	Remove	Yes	
T065	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T066	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T067	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T077	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T078	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T079	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T080	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T081	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes
T092	Rowan (<i>Sorbus aucuparia</i>)	U	Remove		Yes
T094	Narrow leaved ash (<i>Fraxinus angustifolia</i>)	U	Remove		Yes
T113	Common ash (<i>Fraxinus excelsior</i>)	U	Remove		Yes

Notes:

All tree works are to be undertaken in accordance with *BS2998:2010, Tree Work – Recommendations*. All arisings are to be removed from site and the site should be left as found. Care is to be taken to protect the ground around the retained tree and hedge to ensure they do not become compacted due to tree surgery operations. To prevent subsequent compaction and root death, no equipment or vehicles shall be parked or driven beneath the crowns of any retained trees.

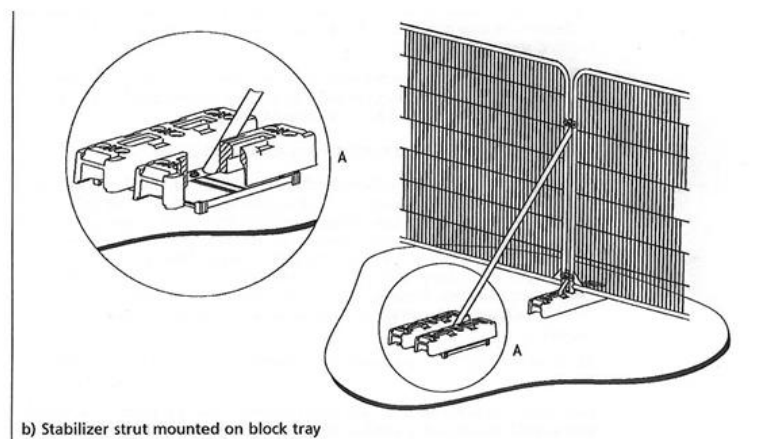
If required by the client, Apex Environmental Ltd can source, tender and oversee the necessary tree works.

In any case, there will be a requirement for the lead arboricultural consultant to assess the works to ensure they have been carried out to specification and in line with *BS3998:2010* guidance.

11.5 Installation of the tree protection fencing

The fence must be erected in line with the Tree Protection Plan and under the supervision of the Arboricultural Consultant. The fence must be erected before any construction or demolition works take place. This will be of the specification detailed overleaf.

Figure 3



On the outer face, attach heavy gauge 2m tall galvanized tubular and welded mesh infill panels, such as heras fence panels or similar. These are to be securely fixed by use of clips and back braces (to be fastened from within the tree exclusion zone). These are to be anchored by way of stabilizer strut mounts on block tray. Within the mesh attach signs bearing the words TREE PROTECTION AREA – KEEP OUT (See appendix III)

11.6 Prohibited actions around trees

The following activities must not be carried out under any circumstances:

- A. No fires to be lit on site within 10 metres of the nearest point of the canopy of any retained tree/hedgerow on or adjacent to the proposal site.
- B. No equipment, signage, fencing etc. shall be attached to or be supported by any retained tree on or adjacent to the application site,
- C. No temporary access within designated root protection areas without the prior written approval.
- D. No access within the designated Construction Exclusion Zone.
- E. No mixing of cement, dispensing of fuels or chemicals within 10 metres of any retained tree/hedgerow on or adjacent to the application site.
- F. No development or additional cables to be routed within the root protection areas of any retained tree/hedgerow on or adjacent to the application site without direct arboricultural supervision.
- G. No stripping of topsoils, excavations or changing of levels to occur within the root protection areas of any retained tree/hedgerow on or adjacent to the site.
- H. No topsoil, building materials or other to be stored within the root protection areas of any retained tree/hedgerow on or adjacent to the site.
- I. No alterations or variations of the approved works or protection schemes shall be carried out without the full consultation of the Arboricultural Consultant.
- J. Any material movement close to trees must also consider weights and heights to ensure that tall or bulky items do not contact any branch or limb of retained trees.

11.7 Siting of storage and welfare facilities

The storage area and welfare facilities has been identified on the Tree Protection Plan. This is on hard standing or on ground protection boards and along with the fencing, it will give adequate protection. The storage area must also include an area for the mixing of materials, which must be contained within a spill containment trays of at least 2000mm x 1000mm x 120mm.

11.8 Undertake and complete construction works

Once the above fencing has been installed and signed off by the arboriculturist, then the main development can commence. As no further works are within the Root Protection Areas, there will be no further requirements for onsite monitoring from the arboriculturist.

11.9 Undertake and complete all service works

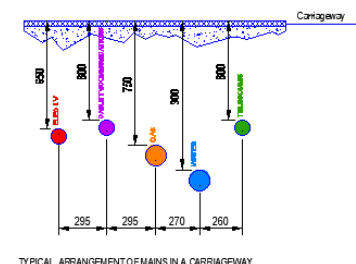
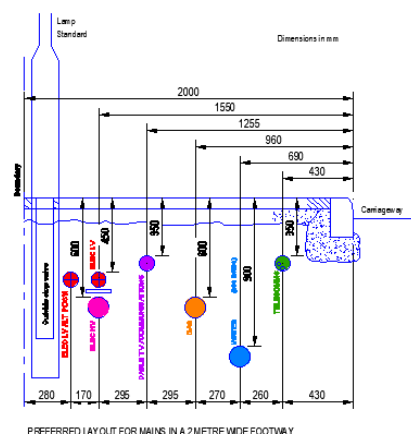
This will be open trenching outside of the RPA, although care will still be needed to ensure tree roots greater than 25mm are not damaged.

Where care is needed then this must be done by hand tools only and any roots within the area of less than 25mm must only be cut using secateurs in one clean motion. This must be carried out under the strict supervision of the Arboricultural Consultant. During the trenching any exposed tree roots greater than 25mm must not be damaged. Assessment by the Arboricultural Consultant must take place and decide if it is possible to either cut the root, move the root, or if the cable can run under the roots in their space available. Where it is not possible to cover the tree roots in soil for any extended period (such as a tree root on the edge of a pit), then the roots must be wrapped in hessian material. This must be for a limited time only and the pit must be closed by the end of the working day.

The main work process will be to carefully remove the grass area to expose the topsoil. The grass is to be placed to one side and sheeting placed next to the trench. Topsoil is to be placed on the sheeting and this must be done by hand only. This is to expose the tree roots and the works must carefully work around the roots to expose the roots and the soil. The best tools to use is an air spade or lance from an air compressor. Where this is not possible a spade and trowel use only. This needs to be dug to the correct depth as outlined in the cable distances below:

NOTES

1. THE LAYOUT OF MAINS IS GENERALLY IN ACCORDANCE WITH THE 'REPORT OF JOINT COMMITTEE ON LOCATION OF UNDERGROUND SERVICES' PUBLISHED BY THE INSTITUTION OF CIVIL ENGINEERS.
2. THE DIMENSIONS SHOWN REPRESENT THE PREFERRED ARRANGEMENT IN STRAIGHT ROUTES ON RESIDENTIAL ESTATES. VARIATIONS MAY BE NECESSARY AT CURVES AND CHANGES OF GRADIENT.
3. THE SPACE ALLOCATED IS CONSIDERED TO BE THE ABSOLUTE MINIMUM AND IN CERTAIN CIRCUMSTANCES E.G. WHERE BOTH HV AND LV CABLES ARE LAID - THE LV CABLE WILL BE LAID IN THE ALTERNATIVE POSITION AND ADDITIONAL WIDTH MAY BE REQUIRED.
4. WHERE SERVICES ARE TO BE CONNECTED TO GAS MAINS A MINIMUM DISTANCE OF 20MM IS REQUIRED BETWEEN THE BUILDING LINE AND THE CENTRE LINE OF THE MAIN.
5. REVISED IN LINE WITH IGE/DO3.
DEPTH OF COVER OF GAS MAINS IN FOOTWAY - 600mm
DEPTH OF COVER OF GAS MAINS IN ROADWAY - 750mm
6. MINIMUM DISTANCE OF ANY SERVICE TO ANY SURFACE/FOUL WATER STRUCTURE IS 300mm.
7. ALL PIPE DIAMETERS AND DEPTHS ON GATTICA'S DRAWING, WITH OR WITHOUT (T.B.C) ARE ESTIMATED AND SHOULD BE TREATED AS NON-CONFIRMED DIMENSIONS.
8. WATER MAINS HAVE BEEN BURIED AS 900mm DEPTH AS A MEDIUM BETWEEN THE 1350mm MAXIMUM BURY DEPTH (DEPTHS CAN ALTER BETWEEN THESE DIMENSIONS AS REQUIRED)



Once dug out then the cable can be carefully run through the tree roots without harm to the tree. The soil is to be back filled and tampered down. The grass can then be laid on top and watered.

Where it is not possible to do any of the works then the only other option to the project manager will be to look at re-routing the cable or tunnelling under the rooting system of the tree. In such cases, a separate method statement will be required.



11.10 Undertake external landscape works to areas outside of the tree protection fencing

Once the main phase of construction has been completed, there will be a requirement to hard and soft landscape the rear garden and the front area (outside of the Tree Protection Fencing). This should be carried out in accordance with any submitted landscape proposal.

11.11 Remove tree protection fencing

Once all construction works have been completed and all materials and machinery have been removed from site, the arboricultural consultant must be informed. They will then invite the LPA Arboricultural Officer to meet on site to discuss the process and any final remedial works that may be required.

11.12 Undertake external landscaping works within the tree protection fencing area

The final phase of works can now be carried out to include any landscaping requirements within the Root Protection Area.

11.13 Sign off from the construction company and arboricultural consultant

A final meeting is required to formally sign off all completed works and to confirm that no further action is required. This will include a Visual Tree Inspection and report on any remedial actions (if necessary). Once this has been completed it will be submitted to the LPA Arboricultural Officer.

11.14 Monitoring of the development site

The development's tree protection fencing is to be monitored by the arboricultural consultant, who must be retained to record and report observations to the LPA Arboricultural Officer within five working days of the site visit.

Prior to the commencement of any works on site, a pre-start meeting is to be held to discuss the protection methodology and Arboricultural Method Statement and to swap contact details. A toolbox talk with the key workers must also take place to ensure people on site are aware of trees and tree roots.

Thereafter supervision and monitoring, visits will be undertaken for the duration of the works to ensure that tree protection measures are in place and are functioning as designed. A record of these visits must be kept. Any faults will be logged, and mitigation and amelioration advised and actioned. This will be duplicated and handed to the site agent, developer and LPA within five working days of the site visit.

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Regular contact will be maintained with the site manager to determine any forthcoming operations that may impact on the tree protection measures and whether any arboricultural supervision is required.

The arboricultural consultant will be advised a minimum of 72 hours prior to the commencement of any works that require their supervision, and in any case will visit at no less than weekly intervals to monitor and supervise works. Key visits for supervision are:

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Construction Stage	Attendance				
	Main Contractor	Arboricultural consultant	Architect	Clients site manager	Council Tree Officer
Pre-commencement site meeting	In attendance	In attendance	In attendance	In attendance	Invited
Site preparation/location of tree protective measures including ground protection and fencing	In attendance	In attendance	In attendance	In attendance	Invited
Site supervision when required	In attendance	In attendance	In attendance	In attendance	Invited
Sign off and removal of tree protective fencing	In attendance	In attendance	In attendance	In attendance	Invited

Details of Arboricultural Consultant:

Name: Reuben Hayes

Company: Apex Environmental Ltd

Address: 3 Lawrence Way, Lichfield, WS13 6RD

Office number: 0121 249 1235

Mobile: 07968 442929

Email: reuben@ael-treeconsultants.co.uk

This concludes the report. If I can be of further assistance, please do not hesitate to contact me.

Signature: 

Date: 14th March 2024

Reuben Hayes M.Arbor.A; CMgr MCMI

Managing Director for and on behalf of Apex Environmental Limited



12. Arboricultural terms

- 12.1 An 'arboriculturist' is a person who has, through relevant education, training and experience, gained recognized qualifications and expertise in the field of trees.
- 12.2 A 'competent person' is someone who has had training and experience relevant to the matter being addressed and an understanding of the requirements of the particular task in question. A competent person is expected to be able to advise on the best means by which the recommendations of *BS5837:2012 – Trees in relation to design, demolition and construction – Recommendations* may be implemented.
- 12.3 A 'tree survey' in the context of planning and development is taken to mean an assessment of the tree stock on site (or within the area shown where appropriate), as individuals or groups. (This is undertaken independent of and prior to any knowledge of a scheme being produced). Management recommendations in the tree survey schedule reflect the structural and physiological condition of the trees only. It is essential that the trees are assessed objectively and without reference to site layout proposals.
- 12.4 The 'construction' is a site-based operation with the potential to affect existing trees.
- 12.5 A 'Root Protection Area', or 'RPA', is 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. The RPA area is worked out on a mathematical basis. It is listed in appendix III
- 12.6 'Construction Exclusion Zone', or '(CEZ)', is based upon the RPA and forms the exclusion zone to which access is prohibited during the project phase.
- 12.7 A 'Tree Constraints Plan', or TCP, is a scaled plan prepared by an arboriculturist showing the RPA and the accurate canopy spread of a tree, along with information to identify the tree by reference to a survey schedule. It will also identify any under and above ground constraints. The author of this report will produce this using AutoCAD.
- 12.8 An 'Arboricultural Impact Assessment', or 'AIA', is a study or report undertaken by the project arboriculturist. It is a detailed evaluation of the direct and indirect effects of the proposed development on the tree(s) and the potential future maintenance of the tree(s). Where necessary, it recommends mitigation. The assessment takes account of the effects of any tree loss required to implement the design, and any potentially damaging activities that are proposed in the vicinity of retained trees.



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- 12.9 An 'Arboricultural Method Statement', or 'AMS', is a methodology for the implementation of any aspect of development that has the potential to result in loss of or damage to a tree. The AMS is likely to include details of an on-site tree protection monitoring regime.
- 12.10 A 'Tree Protection Plan', or 'TPP', is a scale plan that is superimposed on a layout plan. It is based on the topographical survey, showing all hard surfacing and other existing structures within the RPA. The plan indicates the precise location of protective barriers that need to be erected in order to form a construction exclusion zone around the retained trees.
- 12.11 Other plans and documents may be referred to and annexed where appropriate.
- 12.12 'Access facilitation pruning' is a one-off tree pruning operation, the nature and effects of which are without significant adverse impact on the trees' physiology or amenity value, which is directly necessary to provide access for operations on site.
- 12.13 'Services' are any above or below ground structure or apparatus required for utility provision. Examples include drainage, gas supplies, ground source heat pumps, CCTV and satellite communications.
- 12.14 'Stem' is the principal above-ground structural component(s) of a tree that supports its branches.
- 12.15 'Structures' are manufactured objects, such as a building, carriageway, path, wall, service runs, and built or excavated earthworks.
- 12.16 A 'veteran tree' is recognized by a criterion set by *BS2998:2010, Tree Work – Recommendations*. It must show signs of biological, cultural or aesthetic value that are characteristic of, but not limited to, individuals surviving beyond the typical age range for the species concerned.

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Appendix I – Tree survey

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Tree survey undertaken to *BS5837:2012 Trees in relation to construction – recommendations*

Tree No.	Tree identification method in sequential order – TXXX=Existing trees, GX=Group of trees, HX=Hedgerow
Species	Species
Height in (m)	Approximate height of tree in metres
DBH in (mm)	Stem diameter in millimetres taken at 1.5 metres above ground level. AV=average diameter (see appendix III)
Branch spread in (m) N - E - S - W	Branch spread in metres reflecting the spread at the four principal compass points. N/A= Not applicable in woodland settings
Existing height above ground in (m)	Height in metres of crown clearance above existing ground level. To include first significant branch and direction of growth (e.g. 2.5 – N) Height of lower form of Canopy to inform current ground clearance, crown/stem ratio and shading
Life stage	Age classification (Y=young, SM=semi-mature, EM=early-mature, M=mature, LM=late-mature, OM=over-mature)
Est. remain years	Approximate years remaining (+40=minimum of 40 years, +20=minimum of 20 years, +10=minimum of 10 years, <10 less than 10 years)
General observations	Condition of tree (good, fair, poor, dead), structural and/or physiological condition, and/or preliminary management recommendations
Preliminary management recommendations	Works needed in order to retain tree in current setting or where works would be needed in order to facilitate development
Physical condition and structural condition	Physiological condition (good, fair, poor, dead), to include structural defects such as the presence of any decay, fungal issues, pathogens and defects)
RPA in (m ²)	Area directly calculated from the DBH measurement (single stem/multiple stem variant, as outlined within the Standard, see appendix III)

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Ref.	Species	Measurements	Survey Notes	Retention Category	RPA	Condition
G1	Mixed species (<i>Mixed species</i>)	Height (m): 9 Stem Diam(mm): 250 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 1(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group of trees mainly silver birch and pine. Understory of holly will require thinning out in the future.	C2	Area: 889 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
G2	Common beech x9 (<i>Fagus sylvatica</i>)	Height (m): 8.5 9 stems, avg.(mm): 200 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Planted and growing as a group of trees. Canopy touching the building and will require pruning back	C2	Area: 128 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
G3	Common beech x9 (<i>Fagus sylvatica</i>)	Height (m): 8.5 9 stems, avg.(mm): 200 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Planted and growing as a group of trees. Canopy touching the building and will require pruning back	C2	Area: 171 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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G4	Wild cherry (<i>Prunus avium</i>) Common beech x9 (<i>Fagus sylvatica</i>)	Height (m): 8.5 10 stems, avg.(mm): 200 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Planted and growing as a group of trees. Canopy touching the container and will require pruning back	C2	Area: 114 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
G5	Common beech x9 (<i>Fagus sylvatica</i>)	Height (m): 8.5 9 stems, avg.(mm): 200 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Planted and growing as a group of trees.	C2	Area: 151 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
G6	Mixed species (<i>Mixed species</i>)	Height (m): 9 Stem Diam(mm): 250 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 1(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group of trees mainly silver birch and pine. Understory of holly will require thinning out in the future.	C2	Area: 1382 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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G7	Mixed species (Mixed species)	Height (m): 9 Stem Diam(mm): 250 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 1(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Group of trees mainly silver birch and pine. Understory of holly will require thinning out in the future.	C2	Area: 542 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
G8	Mixed species (Mixed species)	Height (m): 13 Stem Diam(mm): 300 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(S) Life Stage: Mature Rem. Contrib.: 40+ Years	Part of a woodland block of trees which screen the site from the road. The trees are in good condition however, they will require thinning out in the future.	B2	Area: 7850 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Good Inspection Limitations: None Bat Habitat: Low
S1	Not identified (Not identified)	1 stems		NotRecorded	No RPA.	Other Reference: Physiological Condition: Structural Condition: Distance1: Distance2: You customise: Public Amenity Value: Inspection Limitations: Bat Habitat:

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S2	Not identified (<i>Not identified</i>)	1 stems		NotRecorded	No RPA.	Other Reference: Physiological Condition: Structural Condition: Distance1: Distance2: You customise: Public Amenity Value: Inspection Limitations: Bat Habitat:
S3	Not identified (<i>Not identified</i>)	1 stems		NotRecorded	No RPA.	Other Reference: Physiological Condition: Structural Condition: Distance1: Distance2: You customise: Public Amenity Value: Inspection Limitations: Bat Habitat:
S4	Not identified (<i>Not identified</i>)	1 stems		NotRecorded	No RPA.	Other Reference: Physiological Condition: Structural Condition: Distance1: Distance2: You customise: Public Amenity Value: Inspection Limitations: Bat Habitat:

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S5	Not identified (Not identified)	1 stems		NotRecorded	No RPA.	Other Reference: Physiological Condition: Structural Condition: Distance1: Distance2: You customise: Public Amenity Value: Inspection Limitations: Bat Habitat:
T001	Common beech (<i>Fagus sylvatica</i>)	Height (m): 11 Stem Diam(mm): 690 Spread (m): 6.5N, 8E, 7S, 7W Crown Clearance (m): 2.5 Lowest Branch (m): 2(S) Life Stage: Mature Rem. Contrib.: 40+ Years	Twin stem tree with included bark areas and deadwood on ground. Several crossing branches and supporting branches in the canopy of the tree.	B1	Radius: 8.3m. Area: 216 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T002	Common beech (<i>Fagus sylvatica</i>)	Height (m): 11 2 stems (mm): 430,420 Spread (m): 8.5N, 6E, 7S, 7W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Mature Rem. Contrib.: 40+ Years	Twin stem tree with included bark areas and deadwood on ground. Several crossing branches and supporting branches in the canopy of the tree.	B1	Radius: 7.2m. Area: 163 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T003	Common beech (<i>Fagus sylvatica</i>)	Height (m): 10 Stem Diam(mm): 540 Spread (m): 8N, 4.5E, 8S, 7.5W Crown Clearance (m): 2.5 Lowest Branch (m): 2(S) Life Stage: Mature Rem. Contrib.: 40+ Years	Included bark areas and deadwood on ground. Several crossing branches and supporting branches in the canopy of the tree. Old pruning wounds now decaying	B1	Radius: 6.5m. Area: 133 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T004	Common beech (<i>Fagus sylvatica</i>)	Height (m): 10 Stem Diam(mm): 550 Spread (m): 7N, 7E, 7S, 7W Crown Clearance (m): 2.5 Lowest Branch (m): 2(S) Life Stage: Mature Rem. Contrib.: <10 years	Twin stem tree with included bark areas and deadwood on ground. Several crossing branches and supporting branches in the canopy of the tree. Signs of beech bark disease at the base of the tree Pests and Diseases: Beech Bark Disease (Cryptococcus fagisuga)	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Physical Defect Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T005	Common beech (<i>Fagus sylvatica</i>)	Height (m): 11 Stem Diam(mm): 490 Spread (m): 8N, 6E, 7S, 8W Crown Clearance (m): 2.5 Lowest Branch (m): 2(S) Life Stage: Mature Rem. Contrib.: 40+ Years	Twin stem tree with included bark areas and deadwood on ground.	B1	Radius: 5.9m. Area: 109 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T006	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 11 3 stems (mm): 330,340,240 Spread (m): 7N, 5E, 8S, 8W Crown Clearance (m): 2 Lowest Branch (m): 3(S) Life Stage: Mature Rem. Contrib.: <10 years	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Poor Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T007	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 9 Stem Diam(mm): 280 Spread (m): 8N, 3E, 7S, 3W Crown Clearance (m): 3.5 Lowest Branch (m): 3(N) Life Stage: Early Mature Rem. Contrib.: <10 years	Supressed tree, signs of ADB and deadwood throughout the canopy Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Poor Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T008	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 10 3 stems (mm): 220,240,290 Spread (m): 7N, 3E, 6S, 6W Crown Clearance (m): 2 Lowest Branch (m): 3(N) Life Stage: Mature Rem. Contrib.: <10 years	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Poor Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T009	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 13 3 stems (mm): 290,370,300 Spread (m): 3N, 4E, 8S, 6W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Mature Rem. Contrib.: <10 years	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Poor Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T010	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 13 3 stems (mm): 480,350,430 Spread (m): 7N, 7E, 6S, 5W Crown Clearance (m): 2 Lowest Branch (m): 2(W) Life Stage: Mature Rem. Contrib.: <10 years	Multi stem tree, signs of ash dieback throughout the canopy. Canopy over the bike shed. Deadwood in canopy and deadwood on the ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Poor Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T011	Common beech (<i>Fagus sylvatica</i>)	Height (m): 10 Stem Diam(mm): 500 Spread (m): 7N, 4.5E, 8S, 7.5W Crown Clearance (m): 2 Lowest Branch (m): 1(S) Life Stage: Mature Rem. Contrib.: 40+ Years	Tree has not been pruned and low significant branches are now present to aid stability of tree. Some deadwood and crossing branches.	B1	Radius: 6.0m. Area: 113 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T012	Common beech (<i>Fagus sylvatica</i>)	Height (m): 10 Stem Diam(mm): 560 Spread (m): 8.5N, 8E, 6S, 7W Crown Clearance (m): 2.5 Lowest Branch (m): 2(S) Life Stage: Mature Rem. Contrib.: 20+ Years	Included bark areas and deadwood on ground. Several crossing branches and supporting branches in the canopy of the tree. Evidence of beech bark disease and phytophthora on lower stem. Pests and Diseases: Beech Bark Disease (Cryptococcus fagisuga) Bleeding Canker/Phytophthora	C1	Radius: 6.7m. Area: 141 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Physical Defect Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T013	Common beech (<i>Fagus sylvatica</i>)	Height (m): 10 2 stems (mm): 500,480 Spread (m): 9N, 6E, 8S, 7.5W Crown Clearance (m): 2.5 Lowest Branch (m): 2(S) Life Stage: Mature Rem. Contrib.: 40+ Years	Included bark areas and deadwood on ground. Several crossing branches and supporting branches in the canopy of the tree.	B1	Radius: 8.3m. Area: 216 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T014	Common beech (<i>Fagus sylvatica</i>)	Height (m): 8 2 stems (mm): 210,250 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 4 Lowest Branch (m): 4(N) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Twin stem tree growing close to CCTV cameras. Have been pruned to increase views, stem damage not significant tree.	C1	Radius: 3.9m. Area: 48 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T015	Common beech (<i>Fagus sylvatica</i>)	Height (m): 8 2 stems (mm): 240,260 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Within the shrub bed, canopy over the road and footway. Crossing branches and twin stem with included bark	C1	Radius: 4.2m. Area: 55 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T016	Common beech (<i>Fagus sylvatica</i>)	Height (m): 8 2 stems, avg.(mm): 330 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Within the shrub bed, canopy over the road and footway. Crossing branches and dieback in the canopy with substantial deadwood	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Poor Structural Condition: Poor Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T017	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 2 stems, avg.(mm): 330 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Within the shrub bed, canopy over the road and footway. Crossing branches and dieback in the canopy with substantial deadwood	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Poor Structural Condition: Poor Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T018	Corsican pine (<i>Pinus nigra laricio</i>)	Height (m): 14 Stem Diam(mm): 520 Spread (m): 4N, 5E, 6S, 5W Crown Clearance (m): 1.5 Lowest Branch (m): 3(N) Life Stage: Mature Rem. Contrib.: 40+ Years	Growing on the bank of the carpark. On raised ground, minor deadwood	B1	Radius: 6.2m. Area: 121 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T019	Corsican pine (<i>Pinus nigra laricio</i>)	Height (m): 14 3 stems (mm): 400,350,280 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 1.5 Lowest Branch (m): 3(N) Life Stage: Mature Rem. Contrib.: 40+ Years	Growing on the bank of the carpark. On raised ground, minor deadwood	B1	Radius: 7.2m. Area: 163 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T020	Corsican pine (<i>Pinus nigra laricio</i>)	Height (m): 14 Stem Diam(mm): 540 Spread (m): 5N, 5E, 3S, 5W Crown Clearance (m): 1.5 Lowest Branch (m): 3(N) Life Stage: Mature Rem. Contrib.: 40+ Years	Growing on the bank of the carpark. On raised ground, minor deadwood	B1	Radius: 6.5m. Area: 133 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T021	Corsican pine (<i>Pinus nigra laricio</i>)	Height (m): 14 Stem Diam(mm): 540 Spread (m): 6N, 5E, 6S, 6W Crown Clearance (m): 1.5 Lowest Branch (m): 1(N) Life Stage: Mature Rem. Contrib.: 40+ Years	Growing on the bank of the carpark. On raised ground, minor deadwood	B1	Radius: 6.5m. Area: 133 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T022	Field maple (<i>Acer campestre</i>)	Height (m): 8.5 3 stems (mm): 200,250,300 Spread (m): 3N, 4E, 3S, 2W Crown Clearance (m): 0 Lowest Branch (m): 0(E) Life Stage: Early Mature Rem. Contrib.: 10+ Years	Part of a group of trees, on made up ground and defects at the base of the tree.	C2	Radius: 5.3m. Area: 88 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T023	Field maple (<i>Acer campestre</i>)	Height (m): 8.5 3 stems (mm): 200,250,300 Spread (m): 5N, 4E, 2S, 2W Crown Clearance (m): 0 Lowest Branch (m): 0(E) Life Stage: Early Mature Rem. Contrib.: 10+ Years	Part of a group of trees, on made up ground and defects at the base of the tree.	C2	Radius: 5.3m. Area: 88 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T024	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 7 3 stems (mm): 90,90,80 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(E) Life Stage: Dead	Part of a group of trees, dead	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Dead Structural Condition: Poor Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T025	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 110 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(E) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Part of a group of trees	C2	Radius: 1.3m. Area: 5 sq m.	Other Reference: Physiological Condition: Dead Structural Condition: Poor Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T026	Field maple (<i>Acer campestre</i>)	Height (m): 8.5 3 stems (mm): 150,150,110 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 0 Lowest Branch (m): 0(E) Life Stage: Early Mature Rem. Contrib.: 10+ Years	Part of a group of trees, on made up ground and defects at the base of the tree.	C2	Radius: 2.9m. Area: 26 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T027	Pedunculate oak (<i>Quercus robur</i>)	Height (m): 8.5 3 stems, avg.(mm): 400 Spread (m): 8N, 2E, 7S, 3W Crown Clearance (m): 0 Lowest Branch (m): 0(E) Life Stage: Early Mature Rem. Contrib.: 10+ Years	Part of a group of trees, on made up ground and a very low canopy break out.	C2	Radius: 8.3m. Area: 216 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T028	Pedunculate oak (<i>Quercus robur</i>)	Height (m): 8.5 3 stems, avg.(mm): 360 Spread (m): 1N, 2E, 7S, 6W Crown Clearance (m): 0 Lowest Branch (m): 0(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Part of a group of trees, on made up ground.	C2	Radius: 7.5m. Area: 197 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T029	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 8.5 3 stems, avg.(mm): 400 Spread (m): 6N, 2E, 2S, 5W Crown Clearance (m): 1 Lowest Branch (m): 1(S) Life Stage: Early Mature Rem. Contrib.: 10+ Years	Part of a group of trees, on made up ground and a very low canopy break out. Pests and Diseases: Ash Dieback Infection Level 1: 0% to 25%	C2	Radius: 8.3m. Area: 216 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T030	Wild cherry (<i>Prunus avium</i>)	Height (m): 10 2 stems (mm): 350,390 Spread (m): 4N, 6E, 7S, 7.5W Crown Clearance (m): 2.5 Lowest Branch (m): 1.5(E) Life Stage: Mature Rem. Contrib.: 20+ Years	Close to carpark and canopy overhangs parking spaces. Crossing branches and deadwood in canopy	C1	Radius: 6.3m. Area: 125 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T031	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 5.5 Stem Diam(mm): 200 Spread (m): 2N, 2E, 1S, 2W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: 20+ Years		B1	Radius: 2.4m. Area: 18 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T032	Rowan (<i>Sorbus aucuparia</i>)	Stem Diam(mm): 290 Spread (m): 2N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Mature Rem. Contrib.: 20+ Years	Vent under the canopy of the tree	B1	Radius: 3.5m. Area: 38 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T033	White willow 'Weeping' (<i>Salix alba</i>)	Height (m): 4.5 Stem Diam(mm): 170 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Focal feature for the club entrance	C1	Radius: 2.0m. Area: 13 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T034	White willow 'Weeping' (<i>Salix alba</i>)	Height (m): 4.5 Stem Diam(mm): 170 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Focal feature for the club entrance	C1	Radius: 2.0m. Area: 13 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T035	Norway maple (<i>Acer platanoides</i>)	Height (m): 6 Stem Diam(mm): 300 Spread (m): 4N, 4E, 3S, 4.5W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Semi Mature Rem. Contrib.: 40+ Years	Light in canopy of tree	B1	Radius: 3.6m. Area: 41 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat:

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T036	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 6 Stem Diam(mm): 240 Spread (m): 2N, 3E, 4S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Semi Mature Rem. Contrib.: 40+ Years	Light in canopy of tree	B1	Radius: 2.9m. Area: 26 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat:
T037	Norway maple (<i>Acer platanoides</i>)	Height (m): 2.5 Stem Diam(mm): 80 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 2 Lowest Branch (m): 1(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Supressed tree	C1	Radius: 1.0m. Area: 3 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T038	Norway maple (<i>Acer platanoides</i>)	Height (m): 6 Stem Diam(mm): 350 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Semi Mature Rem. Contrib.: 40+ Years		B1	Radius: 4.2m. Area: 55 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat:

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T039	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 320 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 0 Lowest Branch (m): 0(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 3.8m. Area: 45 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T040	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 270 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 3.2m. Area: 32 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T041	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 Stem Diam(mm): 260 Spread (m): 3N, 3E, 4S, 4W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 3.1m. Area: 30 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T042	Field maple (<i>Acer campestre</i>)	Height (m): 6.5 Stem Diam(mm): 240 Spread (m): 4N, 4E, 3S, 4W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(N) Life Stage: Early Mature Rem. Contrib.: 10+ Years	Stake still in ground, being damaged.	C1	Radius: 2.9m. Area: 26 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Physical Defect Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T043	Paperbark maple (<i>Acer griseum</i>)	Height (m): 2 Stem Diam(mm): 80 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(W) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Large shrub form	C1	Radius: 1.0m. Area: 3 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T044	Corsican pine (<i>Pinus nigra laricio</i>)	Height (m): 12 Stem Diam(mm): 500 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 1.5 Lowest Branch (m): 1(S) Life Stage: Mature Rem. Contrib.: 40+ Years	Growing on the bank of the carpark. On raised ground, minor deadwood	B1	Radius: 6.0m. Area: 113 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Good Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T045	Field maple (<i>Acer campestre</i>)	Height (m): 6.5 Stem Diam(mm): 250 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	Has had recent pruning works carried out, not to a high spec, not to branch collars and cut into bark.	C1	Radius: 3.0m. Area: 28 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T046	Paperbark maple (<i>Acer griseum</i>)	Height (m): 2 Stem Diam(mm): 80 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(W) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Large shrub form	C1	Radius: 1.0m. Area: 3 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T047	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 4 Stem Diam(mm): 100 Spread (m): 1.5N, 1.5E, 1.5S, 1.5W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(W) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Damage to stem at base of tree.	C1	Radius: 1.2m. Area: 5 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Physical Defect Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T048	Silver birch (<i>Betula pendula</i>)	Height (m): 8 Stem Diam(mm): 270 Spread (m): 2N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 2(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 3.2m. Area: 32 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T049	Silver birch (<i>Betula pendula</i>)	Height (m): 7 2 stems (mm): 140,140 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Stem damage at base of tree	C1	Radius: 2.4m. Area: 18 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T050	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 220 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 10+ Years	Stem damage at base of tree	C1	Radius: 2.6m. Area: 21 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T051	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 340 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 4.1m. Area: 53 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T052	Pedunculate oak (<i>Quercus robur</i>)	Height (m): 9 Stem Diam(mm): 610 Spread (m): 8N, 8E, 8S, 6W Crown Clearance (m): 2 Lowest Branch (m): 2(W) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 7.3m. Area: 167 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T053	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 3 stems (mm): 180,240,270 Spread (m): 4.5N, 3E, 4.5S, 4.5W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Fungus: Inonotus spp Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T054	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 3 stems (mm): 200,240,270 Spread (m): 4.5N, 3E, 4.5S, 4.5W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T055	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 10 3 stems (mm): 200,300,270 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T056	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 10 3 stems (mm): 200,300,270 Spread (m): 5N, 5E, 5S, 5W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T057	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 7 Stem Diam(mm): 340 Spread (m): 4.5N, 4.5E, 4.5S, 4.5W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 4.1m. Area: 53 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T058	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 300 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.6m. Area: 41 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T059	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 360 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 4.3m. Area: 58 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T060	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 300 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.6m. Area: 41 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T061	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 300 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.6m. Area: 41 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T062	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 320 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.8m. Area: 45 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T063	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 7 Stem Diam(mm): 300 Spread (m): 3.5N, 3.5E, 3S, 3.5W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.6m. Area: 41 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T064	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 7 Stem Diam(mm): 300 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.6m. Area: 41 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T065	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 5 stems, avg.(mm): 180 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Fungus: Inonotus spp Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T066	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 2 stems (mm): 180,210 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T067	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 4 stems (mm): 180,210,100,120 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T068	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 3 Stem Diam(mm): 110 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(N) Life Stage: Early Mature Rem. Contrib.: <10 years	Cracking to bark	C1	Radius: 1.3m. Area: 5 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T069	Field maple (<i>Acer campestre</i>)	Height (m): 5 Stem Diam(mm): 200 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 2 Lowest Branch (m): 1(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 2.4m. Area: 18 sq m.	Other Reference: Physiological Condition: Structural Condition: Distance1: Distance2: You customise: Public Amenity Value: Inspection Limitations: Bat Habitat:
T070	Pear (<i>Pyrus sp.</i>)	Height (m): 4 Stem Diam(mm): 100 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 1.2m. Area: 5 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T071	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 4 Stem Diam(mm): 80 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 1.0m. Area: 3 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T072	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 3 Stem Diam(mm): 60 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 0.7m. Area: 2 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T073	Field maple (<i>Acer campestre</i>)	Height (m): 3 Stem Diam(mm): 60 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 0.7m. Area: 2 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T074	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 320 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.8m. Area: 45 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T075	Field maple (<i>Acer campestre</i>)	Height (m): 3 Stem Diam(mm): 60 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 0.7m. Area: 2 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T076	Common beech (<i>Fagus sylvatica</i>)	Height (m): 7 Stem Diam(mm): 320 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.8m. Area: 45 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T077	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 2 stems (mm): 180,300 Spread (m): 4N, 4E, 3S, 2W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T078	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 Stem Diam(mm): 200 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T079	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 3 stems (mm): 180,150,180 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T080	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 4 stems, avg.(mm): 180 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T081	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 3 stems (mm): 180,210,260 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: <10 years	Growing in grass area between carpark and road, deadwood in canopy and on ground Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Decaying Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T082	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 6 Stem Diam(mm): 200 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 0 Lowest Branch (m): 0.5(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 2.4m. Area: 18 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T083	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 6 2 stems (mm): 200,130 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 0 Lowest Branch (m): 0.5(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 2.9m. Area: 26 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T084	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 6 Stem Diam(mm): 230 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 0 Lowest Branch (m): 0.5(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 2.8m. Area: 25 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T085	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 6 Stem Diam(mm): 200 Spread (m): 3N, 2.5E, 1S, 3W Crown Clearance (m): 0 Lowest Branch (m): 0.5(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 2.4m. Area: 18 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T086	Hornbeam (<i>Carpinus betulus</i>)	Height (m): 6 3 stems, avg.(mm): 200 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 0 Lowest Branch (m): 0.5(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 4.2m. Area: 55 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T087	Common beech (<i>Fagus sylvatica</i>)	Height (m): 6 Stem Diam(mm): 300 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 0 Lowest Branch (m): 0.5(S) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Growing in grass area between carpark and road, deadwood in canopy and on ground	C1	Radius: 3.6m. Area: 41 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T088	Common beech (<i>Fagus sylvatica</i>)	Height (m): 8 Stem Diam(mm): 400 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Within the shrub bed, canopy over the road and footway. Crossing branches and twin stem with included bark	C1	Radius: 4.8m. Area: 72 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T089	Common beech (<i>Fagus sylvatica</i>)	Height (m): 8 Stem Diam(mm): 400 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Within the shrub bed, canopy over the road and footway. Crossing branches and twin stem with included bark	C1	Radius: 4.8m. Area: 72 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T090	Common beech (<i>Fagus sylvatica</i>)	Height (m): 8 2 stems, avg.(mm): 200 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Within the shrub bed, canopy over the road and footway. Crossing branches and twin stem with included bark	C1	Radius: 3.4m. Area: 36 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T091	Common beech (<i>Fagus sylvatica</i>)	Height (m): 8 2 stems, avg.(mm): 200 Spread (m): 4N, 4E, 4S, 4W Crown Clearance (m): 2.5 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years	Within the shrub bed, canopy over the road and footway. Crossing branches and twin stem with included bark	C1	Radius: 3.4m. Area: 36 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T092	Rowan (<i>Sorbus aucuparia</i>)	Height (m): 4 Stem Diam(mm): 110 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(S) Life Stage: Semi Mature Rem. Contrib.: <10 years	bark peeling In shrub bed	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Poor Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T093	Field maple (<i>Acer campestre</i>)	Height (m): 4 Stem Diam(mm): 200 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 2.4m. Area: 18 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T094	Narrow leaved ash (<i>Fraxinus angustifolia</i>)	Height (m): 4 Stem Diam(mm): 160 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 2 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: <10 years	In shrub bed Pests and Diseases: Ash Dieback Infection Level 3: 50% to 75%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Fair Structural Condition: Poor Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T095	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 220 Spread (m): 2N, 3E, 2S, 1.5W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 2.6m. Area: 21 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T096	Pear (<i>Pyrus sp.</i>)	Height (m): 4 Stem Diam(mm): 120 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(S) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	In shrub bed	C1	Radius: 1.4m. Area: 6 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T097	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 Stem Diam(mm): 220 Spread (m): 2N, 3E, 2S, 1.5W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 2.6m. Area: 21 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T098	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 Stem Diam(mm): 260 Spread (m): 3.5N, 3.5E, 3.5S, 3.5W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 3.1m. Area: 30 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T099	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 Stem Diam(mm): 190 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 2.3m. Area: 17 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T100	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 Stem Diam(mm): 210 Spread (m): 2N, 2E, 2S, 1W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 2.5m. Area: 20 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T101	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 280 Spread (m): 2N, 3E, 4S, 3W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 3.4m. Area: 36 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T102	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 Stem Diam(mm): 220 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1.5 Lowest Branch (m): 2(N) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 2.6m. Area: 21 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T103	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 2 stems (mm): 140,150 Spread (m): 2N, 1E, 2S, 2W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 2.5m. Area: 20 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T104	Silver birch (<i>Betula pendula</i>)	Height (m): 8 Stem Diam(mm): 250 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway. Street light in canopy.	C1	Radius: 3.0m. Area: 28 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T105	Downy birch (<i>Betula pubescens</i>)	Height (m): 7 Stem Diam(mm): 220 Spread (m): 2N, 2E, 2S, 3W Crown Clearance (m): 1.5 Lowest Branch (m): 2(S) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	Part of a feature of silver birch trees either side of the pathway.	C1	Radius: 2.6m. Area: 21 sq m.	Other Reference: Physiological Condition: Fair Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T106	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 100 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 1.2m. Area: 5 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T107	Silver birch (<i>Betula pendula</i>)	Height (m): 7 2 stems (mm): 100,210 Spread (m): 2.5N, 2.5E, 2.5S, 2.5W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 2.8m. Area: 25 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T108	Field maple (<i>Acer campestre</i>)	Height (m): 7 Stem Diam(mm): 400 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 0.5(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 4.8m. Area: 72 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T109	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 100 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 1.2m. Area: 5 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T110	Willow (<i>Salix sp.</i>)	Height (m): 7 Stem Diam(mm): 100 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1 Lowest Branch (m): 1(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 1.2m. Area: 5 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T111	Silver birch (<i>Betula pendula</i>)	Height (m): 7 Stem Diam(mm): 120 Spread (m): 1N, 1E, 1S, 1W Crown Clearance (m): 2 Lowest Branch (m): 2(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 1.4m. Area: 6 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T112	Willow (<i>Salix sp.</i>)	Height (m): 7 Stem Diam(mm): 400 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 0.5(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 4.8m. Area: 72 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
T113	Common ash (<i>Fraxinus excelsior</i>)	Height (m): 7 Stem Diam(mm): 280 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Early Mature Rem. Contrib.: <10 years	Pests and Diseases: Ash Dieback Infection Level 2: 25% to 50%	U	No RPA due to Retention Category of U.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None

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T114	Field maple (<i>Acer campestre</i>)	Height (m): 7 5 stems (mm): 300,280,150,150,130 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 1 Lowest Branch (m): 0.5(E) Life Stage: Early Mature Rem. Contrib.: 20+ Years		C1	Radius: 5.8m. Area: 106 sq m.	Other Reference: Physiological Condition: Good Structural Condition: Fair Distance1: Distance2: You customise: Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None
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Appendix II – Tree Protection Notices





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Appendix III – Tree categorisation table (BS5837:2012)

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Category and definition	Criteria (including subcategories where appropriate)			Identification on plan
Category U Those 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.	- 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 their trees nearby, or very low quality trees suppressing adjacent trees of better quality. <i>(note: Category U trees can have existing or potential conservation value which it might be desirable to preserve)</i>			
Trees to be considered for retention				
	1. Mainly arboricultural qualities	2. Mainly landscape qualities	3. Mainly cultural values, including conservation	
Category A 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)	
Category B 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 downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), which 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 or other cultural value	
Category C 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	

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Appendix IV – Bibliography

British Standards Institution (2010), *BS3998 Tree Work - Recommendations*

British Standards Institution (2012), *BS5837 Trees in relation to design, demolition and construction - Recommendations*

Appendix V – About the author

Author of this report: Mr Reuben Hayes, M.Arbor.A; CMgr MCMI

Qualifications

Quantified Tree Risk Assessment, 2018 – QTRA

CMI Management and Leadership (Level 5) – May 2015

Professional Tree Inspection, 2009 – Lantra

Higher National Diploma, Arboriculture (HND), July 2003 – Warwickshire College

National Diploma (Tree Management and Arboriculture), 2000 – Warwickshire College

Experience

Apex Environmental Ltd: May 2013 – Present

Cannock Chase Council: July 2010 – Present

RJH Silvicultural and Arboricultural Services Ltd: 2008 – 2010

London Borough of Camden: January 2005 – July 2010

Three Rivers District Council: March 2003 – January 2005

Forestry Commission: 1997 – 1998

National Trust

Membership of professional bodies

Professional Member of the Arboricultural Association

Professional Member of Consulting Arborist Society (CAS)

Associate Member of the Institute of Chartered Foresters

Fully accredited Chartered Manager of Chartered Management Institute (CMI)

Member of Institute of Directors (IoD)

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Reuben Hayes



Apex Environmental Ltd

A: 3 Lawrence Way, Lichfield, WS13 6RD

T: 0121 249 1235

E: info@ael-treeconsultants.co.uk

W: www.ael-treeconsultants.co.uk

Author: Reuben Hayes, CMgr MCMI, M.Arbor.A