



*The Complete Professional
Arboricultural Consultancy*

May 2013
CBA7595 v3

London Borough of Camden

TREE SURVEY REPORT

Abbey Road, Camden, London

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TREE SURVEY NOTES

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current arboricultural best practice.

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

- An assessment of a tree's age classification is made in terms of its maturity within the site's landscape and defined as:

| | | |
|-----------|---|---------------------------|
| Y | = | young trees |
| SM | = | semi-mature trees |
| EM | = | early mature trees |
| M | = | mature trees |
| OM | = | over-mature trees |

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

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

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

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

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

Categoryisation of Trees


The category for each tree is assessed using the recommendations of BS5837:2012. The assessment has not considered any site-specific development proposals, but will have considered any changes on or off-site which may have an effect on the conditions surrounding the surveyed trees.

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

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

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

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

| | | | | | | |
|--|---|--------------------------|--------------------|---|--|--|
|  | BS5837:2012 TREE SURVEY SCHEDULE | | | | | |
| | Client: | London Borough of Camden | Site: | Abbey Road, Camden, London | | |
| | Date: | 1 May 2013 | Consultant: | Stefan Rose BSc(Hons), TechCert (Arbor A) | | |
| | Tagged: | No | Weather: | Sunny, light winds | | |

Notes:-

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

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat | |
|---------|--------------------------------------|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|---|---------------------------------|-----|----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | | |
| 1 | Field Maple <i>Acer campestre</i> | 7 | S | 120 | 1.5 | 1.5 | 2.0 | 2.0 | 2.0 | 1.5 | 1.5 | 1.5 | 2.0 | Y | Good | Good Developing tree Mechanical damage at base on West side | None required at time of survey | 40+ | C1 |
| 2 | Field Maple <i>Acer campestre</i> | 8 | S | 120 | 2.0 | 1.5 | 1.5 | 2.5 | 1.5 | 1.5 | 1.5 | 1.5 | Y | Good | Fair Developing tree Constriction to trunk at 0.3m and 1.5m above ground level | None required at time of survey | 20+ | C1 | |
| 3 | Field Maple <i>Acer campestre</i> | 6 | S | 80 | 1.5 | 1.5 | 1.5 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | Y | Good | Poor Developing tree Trunk leans to South-east Stake present Mechanical damage at base on South side Constriction around trunk from stake and tie at 0.3m and 1.2m above ground level | Remove and replace stake and tie in appropriate position | 10+ | C1 | |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|-----------------------------------|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 4 | Gleditsia <i>Gleditsia spp</i> | 6 | S | 160 | 2.5 | 3.0 | 2.5 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | Y | Good | Fair Developing tree Large bark wound on trunk on West side of trunk occluding Multi-stemmed at 2m above ground level with included bark Minor deadwood in lower crown Previously pollarded at 2m above ground level | None required at time of survey | 10+ | C1 |
| 5 | Gleditsia <i>Gleditsia spp</i> | 7 | S | 160 | 3.5 | 3.0 | 3.0 | 3.5 | 1.8 | 2.0 | 2.0 | 2.0 | Y | Good | Fair Developing tree Previously pollarded at 2m above ground level Multi-stemmed at 2m above ground level with included bark Minor deadwood in lower crown | Crown lift over public path for statutory height clearance | 10+ | C1 |
| 6 | Gleditsia <i>Gleditsia spp</i> | 4 | S | 130 | 2.0 | 1.0 | 2.0 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | Y | Fair | Fair Developing tree Poor shape and form Multi-stemmed at 2m above ground level with included bark Trunk distorted Previously pollarded at 2m above ground level Bark wound at base on trunk on East side | Advise removal | <10 | U |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|------|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 7 | Gleditsia <i>Gleditsia spp</i> | 7 | S | 170 | 3.5 | 2.0 | 3.0 | 3.0 | 2.5 | 2.0 | 3.0 | 2.0 | Y | Good | Fair Developing tree Trunk leans to South-west Bark wound on trunk at 1.2m above ground level on South-east side occluding Minor deadwood in lower crown Mechanical damage at base | None required at time of survey | 10+ | C1 |
| 8 | Wild Cherry <i>Prunus avium</i> | 10 | S | 540 | 3.0 | 5.0 | 7.0 | 5.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Fair | Fair Growing on bank Part of linear group Trunk leans to South-east Crown shape distorted due to group pressure Multi-stemmed at 2m above ground level Previously crown reduced Old pruning wounds on trunk and in crown Mechanical damage to surface roots Retaining wall to West | None required at time of survey | 20+ | B1 |
| 9 | London Plane <i>Platanus x hispanica</i> | 13 | S | 510 | 5.0 | 96.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 5.0 | EM | Good | Fair Growing on bank Part of linear group Crown shape distorted due to group pressure Trunk leans to North Girdling roots at base on West side Old pruning wound on trunk occluding Retaining wall 2m to South Previously crown reduced Epicormics form crown Mechanical damage to surface roots Old pruning wounds in crown | None required at time of survey | 40+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 10 | Field Maple <i>Acer campestre</i> | 7 | S | 180 | 3.0 | 3.0 | 3.0 | 2.0 | 2.5 | 2.5 | 2.5 | 2.5 | Y | Fair | Fair Compact crown Rope constricting first limb on West side Horse Chestnut Scale Surrounded by hard surface Previously crown reduced Minor deadwood in crown | None required at time of survey | 10+ | C1 |
| 11 | Field Maple <i>Acer campestre</i> | 4 | S | 100 | 1.5 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | Y | Poor | Poor Developing tree Poor shape and form Trunk leans to North-east Large bark wound on trunk Epicormics on trunk Hard surface all round | Advise removal | <10 | U |
| 12 | False Acacia <i>Robinia pseudoacacia</i> | 13 | S | 350 | 4.0 | 5.0 | 3.0 | 2.0 | 5.0 | 5.0 | 5.0 | 5.0 | EM | Fair | Fair Street tree Part of linear group Basal suckers Old pruning wound on lower trunk occluding Epicormics on trunk Crown weighted to North Crown shape distorted due to group pressure | Remove basal suckers and crown raise to 5m | 20+ | C1 |
| 13 | London Plane <i>Platanus x hispanica</i> | 13 | S | 520 | 4.5 | 4.0 | 4.5 | 5.0 | 5.0 | 5.0 | 4.0 | 6.0 | EM | Good | Fair Part of linear group Growing on bank Retaining wall 2m to South side Previously crown reduced Old pruning wound on trunk and in crown occluding Epicormics form crown | None required at time of survey | 40+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|--------------------------------------|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 14 | Bird Cherry <i>Prunus padus</i> | 8 | S | 170 | 4.0 | 4.0 | 2.0 | 2.0 | 4.0 | 4.0 | 4.0 | 4.0 | Y | Good | Fair Part of linear group Growing on bank Crown shape distorted due to group pressure Old pruning wound on trunk occluded Bark wound on lower trunk Epicormics on trunk | None required at time of survey | 20+ | B1 |
| 15 | Field Maple <i>Acer campestre</i> | 11 | S | 300 | 5.0 | 4.5 | 4.0 | 5.5 | 4.0 | 4.0 | 5.0 | 5.0 | SM | Good | Good Part of linear group Growing on bank Bark wound on lower trunk occluding Mesh fixed to base Old pruning wounds on main limbs in lower crown occluding Epicormics on trunk and in crown Basal suckers | Remove wire from around base within 6 months | 20+ | B1 |
| 16 | Field Maple <i>Acer campestre</i> | 9 | S | 270 | 7.0 | 6.0 | 4.0 | 5.0 | 2.0 | 2.0 | 3.0 | 3.5 | SM | Good | Good Part of linear group Growing on bank Squat spreading form Old pruning wound in lower crown occluding Bifurcated at 2m above ground level Mechanical damage to surface roots Minor deadwood in crown | None required at time of survey | 20+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 17 | Field Maple <i>Acer campestre</i> | 13 | S | 390 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | EM | Good | Good Part of linear group Growing on bank Trunk leans to North Girdling roots at base on West side Epicormics in crown Old pruning wound on trunk occluding Minor deadwood in crown | None required at time of survey | 20+ | B1 |
| 18 | Field Maple <i>Acer campestre</i> | 9 | S | 200 | 3.0 | 3.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | SM | Fair | Fair Growing on bank Exposed surface roots Reduced on East side to clear bridge Old pruning wounds occluding Crown weighted to West | None required at time of survey | 20+ | B1 |
| 19 | Field Maple <i>Acer campestre</i> | 11 | S | 240 | 4.0 | 3.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | SM | Good | Good Growing on bank Exposed surface roots Old pruning wounds on trunk occluding Reduced on East side to clear bridge Crown weighted to West | None required at time of survey | 20+ | B1 |
| 19A | Swedish Whitebeam <i>Sorbus intermedia</i> | 12 | S | 350 | 5.5 | 4.0 | 4.0 | 6.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Good | Fair Existing hard surface all round Multi-stemmed at 2m above ground level with included bark Trunk leans to South-west Low hanging branches Minor deadwood in crown | Crown lift over public path for statutory height clearance | 20+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 20 | Field Maple <i>Acer campestre</i> | 11 | S | 230 | 4.0 | 4.0 | 2.0 | 3.0 | 2.5 | 2.0 | 2.0 | 2.0 | SM | Good | Fair Crown shape distorted due to group pressure Existing hard surface all round Bark wounds on trunk occluding on East side Epicormics on trunk and in crown | None required at time of survey | 20+ | C1 |
| 21 | Field Maple <i>Acer campestre</i> | 12 | S | 180 | 2.0 | 2.0 | 2.0 | 1.0 | 3.0 | 2.0 | 3.0 | 3.0 | SM | Fair | Fair Part of linear group Crown shape distorted due to group pressure Tall and etiolated due to group pressure Epicormics on trunk Stubs on lower trunk Old pruning wound on trunk occluding Existing hard surface all round | None required at time of survey | 10+ | C1 |
| 22 | Swedish Whitebeam <i>Sorbus intermedia</i> | 13 | S | 390 | 5.0 | 4.0 | 4.0 | 5.0 | 3.0 | 3.0 | 3.0 | 3.0 | EM | Good | Fair Trifurcated at 2m above ground level with included bark Crown weighted to West Stubs in lower crown Minor deadwood in crown | None required at time of survey | 20+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|---|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 23 | Common Lime <i>Tilia x europaea</i> | 15 | S | 630 | 6.0 | 6.5 | 6.0 | 7.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Good | Fair Street tree Suckers at base Large buttress roots Multi-stemmed at 3m above ground level Epicormics on branchwork Cavity from lost limb on North-east side at 2m above ground level Previously reduced crown reformed Epicormics throughout crown | Crown lift to provide statutory path height clearance | 20+ | B1 |
| 24 | Common Lime <i>Tilia x europaea</i> | 15 | S | 540 | 7.0 | 7.0 | 5.5 | 6.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Good | Fair Street tree Large buttress roots Suckers at base Epicormics on trunk and in crown Previously pollarded at 5m crown reformed Horse Chestnut Scale on trunk and branches Pavement displaced on South side Major deadwood in crown | Remove major deadwood | 20+ | B1 |
| 25 | Swedish Whitebeam <i>Sorbus intermedia</i> | 8 | S | 310 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Good | Good Exposed surface roots with mechanical damage Girdling root at base on West side Good shape and form | None required at time of survey | 40+ | A1 |
| 26 | Swedish Whitebeam <i>Sorbus intermedia</i> | 9 | S | 380 | 3.0 | 4.0 | 4.5 | 4.0 | 3.0 | 2.0 | 2.5 | 2.5 | EM | Good | Fair Exposed surface roots all round Stubs in lower crown Tear out wound on East side Minor deadwood in crown | None required at time of survey | 20+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|--|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 27 | Common Lime <i>Tilia x europaea</i> | 15 | S | 610 | 6.0 | 5.0 | 4.0 | 5.0 | 2.0 | 3.0 | 3.0 | 3.0 | M | Good | Fair Growing in raised bed Suckers at base Trunk leans to North-east Bifurcated at 2m above ground level Previously crown reduced Girdling root at base on South side Horse Chestnut Scale on trunk and branches Old pruning wounds on trunk and in crown Epicormics on trunk and in crown Minor deadwood in crown | None required at time of survey | 20+ | B1 |
| 28 | Common Lime <i>Tilia x europaea</i> | 12 | S | 430 | 4.0 | 5.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 3.0 | EM | Good | Fair Displacing retaining wall on South side Horse Chestnut Scale on trunk and branches Previously crown reduced Epicormics on trunk and in crown Minor deadwood in crown | None required at time of survey | 20+ | B1 |
| 29 | Silver Birch <i>Betula pendula</i> | 6 | S | 100 | 1.5 | 2.5 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | SM | Fair | Fair Developing tree Located in large shrub border Bifurcated at 2.5m above ground level | None required at time of survey | 20+ | C1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|--|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 30 | Common Lime <i>Tilia x europaea</i> | 17 | S | Est 710 | 7.0 | 8.0 | 7.0 | 7.0 | 4.0 | 4.0 | 5.0 | 4.0 | M | Good | Fair Growing in raised bed Multi-stemmed at 3m above ground level with included bark Survey of basal area limited due to railings and shrubs Tight forks with included bark Epicormics on trunk and in crown | None required at time of survey | 20+ | B1 |
| 31 | Common Lime <i>Tilia x europaea</i> | 8 | S | 230 | 3.0 | 4.0 | 3.5 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | SM | Fair | Poor Large bark wound at base on South and East sides approximately 50% of bark lost Crown shape distorted due to group pressure Trunk and crown weighted to East Growing in raised bed | Advise removal | <10 | U |
| 32 | Common Lime <i>Tilia x europaea</i> | 18 | S | 590 | 5.0 | 3.0 | 7.0 | 6.0 | 2.0 | 2.0 | 5.0 | 3.0 | M | Good | Fair Suckers at base Growing in raised bed Displacing retaining wall on South side Trifurcated at 3m above ground level Bark wound on lower trunk on North side occluding Cavity at 2m above ground level on North side from lost limb Crown shape distorted due to group pressure Growing with T33 Major deadwood in crown | Remove major deadwood within 3 months | 20+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 33 | Common Lime <i>Tilia x europaea</i> | 16 | S | 500 | 4.5 | 4.0 | 5.0 | 3.0 | 3.0 | 4.0 | 4.0 | 3.0 | M | Good | Fair Suckers at base Displacing retaining wall on South side Trifurcated at 3m above ground level Epicormics on trunk and in crown Major deadwood in crown Crown shape distorted due to group pressure Growing with T32 | Remove major deadwood within 3 months | 20+ | B1 |
| 34 | Common Lime <i>Tilia x europaea</i> | 12 | S | 590 | 5.5 | 5.0 | 5.0 | 6.5 | 2.0 | 2.0 | 2.0 | 2.0 | M | Good | Fair Growing in small raised bed Suckers at base Epicormics on trunk and in crown Displacing retaining wall Cavity in main limb 4m on South side Major deadwood and stubs throughout crown Trunk leans to North-east | Remove deadwood ad stubs within 3 months | 10+ | C1 |
| 35 | Purple Beech <i>Fagus sylvatica 'Purpurea'</i> | 14 | S | 530 | 6.0 | 6.0 | 6.0 | 5.0 | 2.0 | 2.5 | 3.0 | 2.0 | EM | Good | Good Growing in raised bed Displacing wall all round Trunk leans to North Old pruning wound on trunk occluding Appears to have lower trunk buried Bifurcated at 5.5m above ground level Minor deadwood in crown Low hanging branches | Crown lift to 4m all round | 20+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|--|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 36 | Silver Birch <i>Betula pendula</i> | 10 | S | 250 | 4.0 | 4.0 | 4.0 | 3.0 | 2.5 | 2.0 | 4.0 | 2.5 | EM | Good | Good Street tree Existing hard surface all round Trunk leans to South-west Compaction at base Storm damage in crown Minor deadwood in crown | None required at time of survey | 20+ | B1 |
| 37 | Common Lime <i>Tilia x europaea</i> | 10 | S | 290 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 3.0 | 3.0 | 4.0 | SM | Good | Fair Growing in raised bed Ivy on trunk Trunk leans to South Previously crown reduced Old pruning wound on trunk occluding Crown shape distorted due to group pressure Bifurcated at 4m above ground level | None required at time of survey | 10+ | C1 |
| 38 | Common Lime <i>Tilia x europaea</i> | 14 | S | 410 | 3.0 | 4.0 | 4.5 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | EM | Good | Good Suckers at base Epicormics on trunk and in crown Trunk leans to South-west Previously crown reduced Minor deadwood in crown | None required at time of survey | 20+ | B1 |
| 39 | Common Lime <i>Tilia x europaea</i> | 14 | S | 450 | 4.0 | 4.0 | 3.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Good | Fair Suckers at base Epicormics on trunk and in crown Previously crown reduced Sliding gate installed 1.5m to North Old pruning wounds on trunk and in crown Minor deadwood in crown | None required at time of survey | 20+ | B1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 40 | Common Lime <i>Tilia x europaea</i> | 14 | S | 440 | 5.0 | 5.0 | 4.0 | 5.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Good | Fair Suckers at base Epicormics on trunk and in crown Previously pollarded at 4m crown reformed Previously crown reduced Minor cavities at 4m above ground level Old pruning wounds on trunk and in crown Minor deadwood in crown | None required at time of survey | 20+ | B1 |
| 41 | Common Lime <i>Tilia x europaea</i> | 15 | S | 440 | 4.0 | 5.0 | 5.0 | 4.5 | 3.0 | 3.0 | 3.0 | 3.0 | EM | Good | Fair Suckers at base Epicormics on trunk and in crown Previously pollarded at 5m crown reformed Multi-stemmed at 5m above ground level Previously crown reduced Minor deadwood in crown Old pruning wounds on trunk and in crown | None required at time of survey | 20+ | B1 |
| 42 | Common Lime <i>Tilia x europaea</i> | 15 | S | 530 | 4.0 | 3.0 | 4.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | EM | Good | Fair Suckers at base Previously pollarded at 5m crown reformed Previously crown reduced Epicormics on trunk and in crown Minor deadwood in crown Old pruning wounds on trunk and in crown | None required at time of survey | 20+ | B1 |
| 43 | Common Sycamore <i>Acer pseudoplatanus</i> | 13 | S | 330 | 5.5 | 4.0 | 4.0 | 6.0 | 3.0 | 4.0 | 3.0 | 3.0 | SM | Good | Good Good shape and form Old pruning wound on trunk occluded Minor deadwood in crown | None required at time of survey | 40+ | A1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|---|--------------------------|---------------|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 44 | Common Ash <i>Fraxinus excelsior</i> | 8 | MS <6 | 280 | 3.0 | 3.0 | 4.0 | 3.0 | 2.5 | 3.0 | 2.5 | 2.0 | Y | Fair | Fair Bifurcated at ground level Ivy on trunk and in crown Elder at base Unable to verify health and safety due to ivy | Sever and remove ivy Fell Elder Re-survey | 10+ | C1 Interim |
| 45 | Common Sycamore <i>Acer pseudoplatanus</i> | 14 | S | 360 | 6.0 | 5.0 | 5.0 | 5.0 | 2.0 | 3.0 | 2.0 | 2.0 | SM | Good | Good Bark wound on surface root on East side occluding Bifurcated at 3m above ground level Mechanical damage to surface roots Minor deadwood in crown | None required at time of survey | 40+ | B1 |
| 46 | Common Sycamore <i>Acer pseudoplatanus</i> | 14 | S | 410 | 6.5 | 5.0 | 5.0 | 5.5 | 2.5 | 2.0 | 2.0 | 2.0 | SM | Good | Good Bifurcated at 1.8m above ground level Large buttress roots Mechanical damage to exposed surface roots Minor deadwood in crown | None required at time of survey | 40+ | B1 |
| 47 | Common Sycamore <i>Acer pseudoplatanus</i> | 15 | S | 480 | 7.0 | 5.0 | 7.0 | 6.0 | 3.0 | 2.0 | 2.0 | 2.5 | EM | Good | Good Old pruning wound on trunk occluding Minor deadwood and stubs throughout crown Bulge on trunk possibly indicating internal decay Bark wounds on trunk | Full ground level inspection with decay detection equipment | 40+ | B1 Interim |
| 48 | Pear <i>Pyrus spp</i> | 13 | S | 730 | 5.0 | 3.0 | 3.0 | 4.0 | 4.0 | 0.0 | 0.0 | 5.0 | OM | Fair | Fair Extensive decay in old pruning wounds on trunk Old pruning wound on trunk occluding Decay in old stubs Bifurcated at 4m above ground level | Carry out climbing inspection of cavities and Picus survey of trunk up to 3m above ground level | 10+ | C1 Interim |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat | |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|-----|---|
| | | | | | N | E | S | W | N | E | S | W | | | | | | | |
| 49 | Purple Norway Maple <i>Acer platanoides</i> 'Crimson King' | 10 | S | 330 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 3.0 | 4.0 | 3.0 | SM | Fair | Poor Large bark wound on North side of trunk from ground level to 2m above ground level occluded but with surface decay Old pruning wounds on trunk and branchwork occluding Exposed surface roots on North and East sides Poor quality tree Bifurcated at 2m above ground level | Advise removal | <10 | U | |
| 50 | Crack Willow <i>Salix fragilis</i> | 24 | S | 920 | 9.0 | 9.5 | 9.5 | 7.0 | 2.0 | 2.0 | 2.0 | 2.0 | M | Good | Fair Multi-stemmed at 3m above ground level Limbs starting to become end loaded increasing propensity for failure Storm damage in crown Mechanical damage to surface roots Minor deadwood in crown | None required at time of survey | 20+ | B1 | |
| 51 | Norway Maple <i>Acer platanoides</i> | 9 | S | 170 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | SM | Good | Fair Bark wounds on trunk Developing tree | None required at time of survey | 20+ | B1 | |
| 52 | Stump | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 53 | Common Lime <i>Tilia x europaea</i> | 14 | S | 540 | 4.0 | 4.0 | 4.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | EM | Good | Good Ground levels altered around base in past Suckers at base Epicormics on trunk and in crown Major deadwood throughout crown | Remove major deadwood | 20+ | B1 | |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----------------|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 54 | Common Lime <i>Tilia x europaea</i> | 15 | S | 580 | 5.0 | 4.0 | 4.5 | 7.0 | 2.0 | 2.0 | 2.0 | 3.0 | M | Good | Fair Trunk leans to East Epicormics on trunk and in crown Stubs on lower trunk Growing on slope Bark wound on lower trunk occluding with decay present Ground levels increased on North and West sides Old pruning wounds on trunk Minor deadwood in crown | None required at time of survey | 10+ | C1 |
| 55 | Pear <i>Pyrus spp</i> | 11 | S | 420 | 5.0 | 1.5 | 1.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | M | Fair | Fair Trunk leans to North Crown weighted to North and West Bark wounds on lower trunk occluding Cavity at 3m on South side from lost limb | Investigate extent of cavity at 3m within 3 months | 10+ | C1 Interim |
| 56 | Flowering Cherry <i>Prunus spp</i> | 12 | S | Est 360 | 4.0 | 4.0 | 5.0 | 3.0 | 6.0 | 6.0 | 6.0 | 6.0 | EM | Fair | Fair Offsite tree growing at base of boundary wall Bark wounds and cavities on trunk Unable to verify health and safety of trunk due to no access Minor deadwood in crown | Gain access and re-survey within 1 month | 10+ | C1 Interim |
| 57 | Common Sycamore <i>Acer pseudoplatanus</i> | 16 | S | Est 380 | 6.0 | 3.0 | 3.0 | 4.0 | 6.0 | 5.0 | 7.0 | 7.0 | SM | Good | Good Off-site tree Unable to verify health and safety due to limited access Bifurcated at approximately 2m above ground level Crown shape distorted due to group pressure | Gain access and re-survey within 1 month | 20+ | B1+2 Interim |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----------------|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 58 | Common Sycamore <i>Acer pseudoplatanus</i> | 15 | S | Est 360 | 3.0 | 4.0 | 5.0 | 5.0 | 8.0 | 8.0 | 8.0 | 8.0 | SM | Good | Good Off-site tree Unable to verify health and safety due to limited access Minor deadwood in crown | Gain access and re-survey within 1 month | 40+ | B1+2 Interim |
| 59 | Common Ash <i>Fraxinus excelsior</i> | 18 | S | Est 700 | 5.0 | 6.0 | 5.0 | 6.0 | 7.0 | 6.0 | 7.0 | 7.0 | M | Fair | Fair Off-site tree Unable to verify health and safety due to limited access and ivy on trunk Multi-stemmed at 6m above ground level Previously crown reduced Minor deadwood in crown Wall to East Epicormics in crown | Gain access, sever and remove ivy and re-survey within 1 month | 20+ | B1+2 Interim |
| 60 | Common Ash <i>Fraxinus excelsior</i> | 14 | S | Est 660 | 4.0 | 2.5 | 3.0 | 5.0 | 7.0 | 7.0 | 7.0 | 7.0 | M | Fair | Fair Off-site tree Unable to verify health and safety due to ivy on trunk and limited access Previously crown reduced Minor deadwood in crown Wall to East | Gain access and re-survey within 1 month | 20+ | C1+2 Interim |
| 61 | Common Sycamore <i>Acer pseudoplatanus</i> | 16 | S | Est 440 | 5.0 | 6.0 | 3.0 | 5.0 | 8.0 | 8.0 | 8.0 | 8.0 | EM | Good | Good Off-site tree Unable to verify health and safety due to limited access Previously crown reduced Old pruning wounds on trunk occluding Minor deadwood in crown Wall and raised walkway to East | Gain access and re-survey within 1 month | 40+ | B1+2 Interim |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|--|--|--------------------------|-----------------|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 62 | Common Sycamore <i>Acer pseudoplatanus</i> | 15 | S | Est 380 | 2.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | EM | Fair | Fair Off-site tree Unable to verify health and safety due to limited access Previously crown reduced Old pruning wounds on trunk occluding Minor deadwood in crown Wall and raised walkway to East | Gain access and re-survey within 1 month | 20+ | C1+2 Interim |
| 63 | Common Sycamore <i>Acer pseudoplatanus</i> | 15 | S | Est 260 | 2.0 | 2.0 | 3.0 | 2.0 | 8.0 | 8.0 | 8.0 | 8.0 | SM | Fair | Fair Off-site tree Unable to verify health and safety due to limited access Previously crown reduced Old pruning wounds on trunk occluding Minor deadwood in crown Wall and raised walkway to East | Gain access and re-survey within 1 month | 10+ | C1+2 Interim |
| 64 | Common Lime <i>Tilia x europaea</i> | 15 | S | Est 320 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | SM | Fair | Fair Off-site tree Unable to verify health and safety due to limited access Previously pollarded at 4m above ground level Epicormics on trunk and in crown Wall to East | Gain access and re-survey within 1 month | 20+ | C1+2 Interim |
| 65 | Goat Willow <i>Salix caprea</i> | 14 | S | Est 300 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | EM | Fair | Fair Off-site tree Unable to verify health and safety due to limited access Bifurcated at 2m above ground level Minor deadwood in crown Wall to East | Gain access and re-survey within 1 month | 20+ | C1+2 Interim |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|--|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|-----------------|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 66 | Common Lime <i>Tilia x europaea</i> | 16 | S | Est 490 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | EM | Fair | Fair Off-site tree Unable to verify health and safety due to limited access Previously crown reduced Epicormics in crown Multi-stemmed at 3m above ground level Wall to East | Gain access and re-survey within 1 month | 20+ | B1+2 Interim |
| 67 | Norway Maple <i>Acer platanoides</i> | 15 | S | Est 300 | 3.0 | 4.0 | 3.0 | 4.0 | 6.0 | 6.0 | 6.0 | 6.0 | SM | Good | Fair Off-site tree Unable to verify health and safety due to limited access Old pruning wounds on trunk occluding Previously crown reduced | Gain access and re-survey within 1 month | 40+ | B1+2 Interim |
| 68 | Common Ash <i>Fraxinus excelsior</i> | 14 | S | Est 300 | 3.0 | 5.0 | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 | Y | Good | Good Off-site tree Unable to verify health and safety due to limited access Old pruning wounds on trunk occluding Minor deadwood in crown | Gain access and re-survey within 1 month | 40+ | B1+2 Interim |
| 69 | Tree of Heaven <i>Ailanthus altissima</i> | 13 | S | Est 360 | 2.0 | 4.0 | 4.5 | 3.0 | 3.0 | 3.0 | 1.0 | 4.0 | EM | Good | Good Limited access Growing between fence and car park Bifurcated at approximately 3.5m above ground level Basal suckers Ground level drops to South for railway Minor deadwood in crown Storm damage in crown | Gain access and re-survey within 1 month | 10+ | C1 Interim |
| 70 | Common Elder x2 <i>Sambucus nigra</i> | 5.5 | MS <6 | 280 | 4.0 | 3.0 | 3.0 | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 | M | Good | Fair Appears to grow offsite Growing on bank Two trees growing as one Low hanging branches Minor deadwood in crown | None required at time of survey | 10+ | C1 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|---|---------|--------------------------------|----------------|-------------------|-----|-----|-----|----------------------|-----|-----|-----|------------|-------------------------|---|--|--------------------------|---------------|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| 71 | Common Ash <i>Fraxinus excelsior</i> | 8 | S | 120 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | SM | Good | Good Boundary well to North Natural regeneration Developing tree | None required at time of survey | 20+ | C1 |
| 72 | Common Sycamore <i>Acer pseudoplatanus</i> | 8 | S | 120 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | SM | Good | Good Boundary well to North Natural regeneration Developing tree | None required at time of survey | 20+ | C1 |
| 73 | Lawson Cypress <i>Chamaecyparis lawsoniana</i> | 7 | S | 100 | 0.5 | 0.5 | 1.0 | 0.5 | 2.0 | 2.0 | 2.0 | 2.0 | Y | Good | Good Offsite tree Growing behind brick wall Leans West | None required at time of survey | 10+ | C1 |
| 74 | Silver Birch <i>Betula pendula</i> | 7 | S | Est 140 | 2.0 | 2.5 | 2.5 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | Y | Good | Good Offsite tree Growing behind brick wall Bifurcated at 2m above ground level Old pruning wounds on trunk | None required at time of survey | 10+ | C1 |
| 75 | Gum <i>Eucalyptus spp</i> | 17 | S | 320 | 4.0 | 5.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | SM | Good | Good Offsite tree Unable to verify health and safety due to limited access Minor deadwood in crown | Gain access and re-survey within 1 month | 20+ | B1 Interim |
| Grp 1 | Goat Willow | 5 | MS <6 | 370 | - | - | - | - | - | - | - | - | SM | Good | Fair/Poor Two multi-stemmed at ground level with included bark Exposed surface roots Minor cavity at base Decay in trunks | Advise removal | <10 | U |
| Grp 2 | Common Sycamore x2 Common Beech x1 | 16 | S | 420 | - | - | - | - | - | - | - | - | EM | Good | Fair Rope constricting limb on Sycamore Sycamore and Beech close to boundary wall Minor deadwood throughout lower crowns Beech with included fork | Remove deadwood and stubs within 12 months | 20+ | C1+2 |

| Tree No | Species | H't (m) | Single/Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|--|---------|--------------------------------|----------------|-------------------|---|---|---|----------------------|---|---|----|------------|---|---|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| Grp 3 | Common Sycamore Elder Poplar Common Ash | 8 | MS <6 | 440 | - | - | - | - | - | - | - | - | SM | Fair | Fair Mainly self-sown group at base of boundary wall Several established trees growing on North side of wall Large dominant stump within group | None required at time of survey | 10+ | C1 |
| Grp 4 | Field Maple x2 | 8 | S | 200 | - | - | - | - | - | - | - | SM | Poor | Fair Extensive bark damage to lower trunks One tree ring barked Second tree partially ring barked | Advise removal | <10 | U | |
| Grp 5 | Lime x4 | 12 | S | Est 380 | - | - | - | - | - | - | - | EM | Good | Good Offsite group Growing beyond boundary wall Ivy on trunks Minor deadwood in crowns | None required at time of survey | 20+ | B2 | |
| Grp 6 | Common Sycamore | 11 | S | 320 | - | - | - | - | - | - | - | EM | Good | Good Offsite group Growing beyond boundary wall Ivy on trunks Minor deadwood in crowns | None required at time of survey | 20+ | B2 | |
| Grp 7 | Elder Common Sycamore Lime | 10 | S | Est 300 | - | - | - | - | - | - | - | SM | Good | Good Offsite group Canopy overhangs site Minor deadwood in crowns Growing beyond boundary wall Some shrubs growing on site | None required at time of survey | 20+ | B2 | |
| Grp 8 | Lawson Cypress | 9 | S | Est 320 | - | - | - | - | - | - | - | SM | Good | Good Offsite group Canopy overhangs site Minor deadwood in crowns Growing beyond boundary wall | None required at time of survey | 20+ | C2 | |

| Tree No | Species | H't (m) | Single/ Multi-Stemmed (S or MS) | Stem Diam (mm) | Branch Spread (m) | | | | H't of Crown AGL (m) | | | | Life Stage | Physiological Condition | Structural Condition and General Observations | Preliminary Management Recommendations | Est. Rem. Contrib. (Yrs) | Cat |
|---------|----------|---------|---------------------------------|----------------|-------------------|---|---|---|----------------------|---|---|---|------------|-------------------------|--|--|--------------------------|-----|
| | | | | | N | E | S | W | N | E | S | W | | | | | | |
| H1 | Hawthorn | 3 | S | 100 | - | - | - | - | - | - | - | - | SM | Good | Fair Well maintained formal hedge along site boundary | None required at time of survey | 20+ | B2 |



KEY

- DRAWN SPREAD
- CATEGORY
- TREE NUMBER
- SPECIES
- CATEGORY
- TREE POSITION APPROXIMATE (NOT SHOWN ON ORIGINAL SURVEY)
- CATEGORY A TREES
- CATEGORY B TREES
- CATEGORY C TREES
- CATEGORY U TREES

CLIENT
London Borough of Camden

JOB TITLE
Abbey Road,
Camden, London

DRAWING TITLE
Tree Survey Plan

CBA DRAWING NO.
CBAT595.01B

BASE PLAN DRAWING NO.
7595-01A updated to
march2012


SCALE
1:250 @ A0

DRAWN BY
[Signature]

DATE
May 2013

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| | | | | | | |
|---|---|--------------------------|--|--------------------|---|--|
|  | BS5837:2012 TREE ROOT PROTECTION AREA SCHEDULE | | | | | |
| | Client: | London Borough of Camden | | Site: | Abbey Road, Camden, London | |
| | Date: | 1 May 2013 | | Consultant: | Stefan Rose BSc(Hons), TechCert (Arbor A) | |

Notes:

1. This is an assessment of the Root Protection Area (RPA) required, based on the individual tree data collected and Section 4.6.1 of BS5837:2012.
2. At this juncture this document is for your sole guidance and ongoing discussions purposes only and is not intended for general circulation, as it assumes that all but the 'U' trees will be retained, which clearly may not be the case.
3. For all single stem trees with a stem diameter greater than 1250mm, and multi-stem trees with a stem diameter greater than 1500mm, the calculated RPA has been capped at 707m² in accordance with Section 4.6.1 of BS5837.2012.

| Tree No | Species | Category | Single/ Multi-Stemmed (S or MS) | Stem Diameter (mm) | Initial Linear Root Protection Distance (Radius m) | Root Protection Area (m ²) |
|---------|-------------------|----------|---------------------------------------|--------------------------|--|---|
| 1 | Field Maple | C1 | S | 120 | 1.44 | 6.52 |
| 2 | Field Maple | C1 | S | 120 | 1.44 | 6.52 |
| 3 | Field Maple | C1 | S | 80 | 0.96 | 2.90 |
| 4 | Gleditsia | C1 | S | 160 | 1.92 | 11.58 |
| 5 | Gleditsia | C1 | S | 160 | 1.92 | 11.58 |
| 6 | Gleditsia | U | S | 130 | - | - |
| 7 | Gleditsia | C1 | S | 170 | 2.04 | 13.08 |
| 8 | Wild Cherry | B1 | S | 540 | 6.48 | 131.93 |
| 9 | London Plane | B1 | S | 510 | 6.12 | 117.68 |
| 10 | Field Maple | C1 | S | 180 | 2.16 | 14.66 |
| 11 | Field Maple | U | S | 100 | - | - |
| 12 | False Acacia | C1 | S | 350 | 4.20 | 55.42 |
| 13 | London Plane | B1 | S | 520 | 6.24 | 122.34 |
| 14 | Bird Cherry | B1 | S | 170 | 2.04 | 13.08 |
| 15 | Field Maple | B1 | S | 300 | 3.60 | 40.72 |
| 16 | Field Maple | B1 | S | 270 | 3.24 | 32.98 |
| 17 | Field Maple | B1 | S | 390 | 4.68 | 68.82 |
| 18 | Field Maple | B1 | S | 200 | 2.40 | 18.10 |
| 19 | Field Maple | B1 | S | 240 | 2.88 | 26.06 |
| 19A | Swedish Whitebeam | B1 | S | 350 | 4.20 | 55.42 |
| 20 | Field Maple | C1 | S | 230 | 2.76 | 23.93 |

| Tree No | Species | Category | Single/ Multi-Stemmed (S or MS) | Stem Diameter (mm) | Initial Linear Root Protection Distance (Radius m) | Root Protection Area (m ²) |
|---------|---------------------|------------|---------------------------------------|--------------------------|--|---|
| 21 | Field Maple | C1 | S | 180 | 2.16 | 14.66 |
| 22 | Swedish Whitebeam | B1 | S | 390 | 4.68 | 68.82 |
| 23 | Common Lime | B1 | S | 630 | 7.56 | 179.58 |
| 24 | Common Lime | B1 | S | 540 | 6.48 | 131.93 |
| 25 | Swedish Whitebeam | A1 | S | 310 | 3.72 | 43.48 |
| 26 | Swedish Whitebeam | B1 | S | 380 | 4.56 | 65.33 |
| 27 | Common Lime | B1 | S | 610 | 7.32 | 168.36 |
| 28 | Common Lime | B1 | S | 430 | 5.16 | 83.66 |
| 29 | Silver Birch | C1 | S | 100 | 1.20 | 4.52 |
| 30 | Common Lime | B1 | S | 710 | 8.52 | 228.08 |
| 31 | Common Lime | U | S | 230 | - | - |
| 32 | Common Lime | B1 | S | 590 | 7.08 | 157.50 |
| 33 | Common Lime | B1 | S | 500 | 6.00 | 113.11 |
| 34 | Common Lime | C1 | S | 590 | 7.08 | 157.50 |
| 35 | Purple Beech | B1 | S | 530 | 6.36 | 127.09 |
| 36 | Silver Birch | B1 | S | 250 | 3.00 | 28.28 |
| 37 | Common Lime | C1 | S | 290 | 3.48 | 38.05 |
| 38 | Common Lime | B1 | S | 410 | 4.92 | 76.06 |
| 39 | Common Lime | B1 | S | 450 | 5.40 | 91.62 |
| 40 | Common Lime | B1 | S | 440 | 5.28 | 87.59 |
| 41 | Common Lime | B1 | S | 440 | 5.28 | 87.59 |
| 42 | Common Lime | B1 | S | 530 | 6.36 | 127.09 |
| 43 | Common Sycamore | A1 | S | 330 | 3.96 | 49.27 |
| 44 | Common Ash | C1 Interim | MS <6 | 280 | 3.36 | 35.47 |
| 45 | Common Sycamore | B1 | S | 360 | 4.32 | 58.64 |
| 46 | Common Sycamore | B1 | S | 410 | 4.92 | 76.06 |
| 47 | Common Sycamore | B1 Interim | S | 480 | 5.76 | 104.24 |
| 48 | Pear | C1 Interim | S | 730 | 8.76 | 241.11 |
| 49 | Purple Norway Maple | U | S | 330 | - | - |
| 50 | Crack Willow | B1 | S | 920 | 11.04 | 382.95 |
| 51 | Norway Maple | B1 | S | 170 | 2.04 | 13.08 |
| 52 | Stump | - | - | - | - | - |
| 53 | Common Lime | B1 | S | 540 | 6.48 | 131.93 |
| 54 | Common Lime | C1 | S | 580 | 6.96 | 152.20 |
| 55 | Pear | C1 Interim | S | 420 | 5.04 | 79.81 |

| Tree No | Species | Category | Single/ Multi-Stemmed (S or MS) | Stem Diameter (mm) | Initial Linear Root Protection Distance (Radius m) | Root Protection Area (m ²) |
|---------|--|--------------|---------------------------------------|--------------------------|--|---|
| 56 | Flowering Cherry | C1 Interim | S | 360 | 4.32 | 58.64 |
| 57 | Common Sycamore | B1+2 Interim | S | 380 | 4.56 | 65.33 |
| 58 | Common Sycamore | B1+2 Interim | S | 360 | 4.32 | 58.64 |
| 59 | Common Ash | B1+2 Interim | S | 700 | 8.40 | 221.70 |
| 60 | Common Ash | C1+2 Interim | S | 660 | 7.92 | 197.09 |
| 61 | Common Sycamore | B1+2 Interim | S | 440 | 5.28 | 87.59 |
| 62 | Common Sycamore | C1+2 Interim | S | 380 | 4.56 | 65.33 |
| 63 | Common Sycamore | C1+2 Interim | S | 260 | 3.12 | 30.59 |
| 64 | Common Lime | C1+2 Interim | S | 320 | 3.84 | 46.33 |
| 65 | Goat Willow | C1+2 Interim | S | 300 | 3.60 | 40.72 |
| 66 | Common Lime | B1+2 Interim | S | 490 | 5.88 | 108.63 |
| 67 | Norway Maple | B1+2 Interim | S | 300 | 3.60 | 40.72 |
| 68 | Common Ash | B1+2 Interim | S | 300 | 3.60 | 40.72 |
| 69 | Tree of Heaven | C1 Interim | S | 360 | 4.32 | 58.64 |
| 70 | Common Elder x2 | C1 | MS <6 | 280 | 3.36 | 35.47 |
| 71 | Common Ash | C1 | S | 120 | 1.44 | 6.52 |
| 72 | Common Sycamore | C1 | S | 120 | 1.44 | 6.52 |
| 73 | Lawson Cypress | C1 | S | 100 | 1.20 | 4.52 |
| 74 | Silver Birch | C1 | S | 140 | 1.68 | 8.87 |
| 75 | Gum | B1 Interim | S | 320 | 3.84 | 46.33 |
| Grp 1 | Goat Willow | U | MS <6 | 370 | - | - |
| Grp 2 | Common Sycamore x2 Common Beech x1 | C1+2 | S | 420 | - | - |
| Grp 3 | Common Sycamore Elder Poplar Common Ash | C1 | MS <6 | 440 | - | - |
| Grp 4 | Field Maple x2 | U | S | 200 | - | - |
| Grp 5 | Lime x4 | B2 | S | Est 380 | - | - |
| Grp 6 | Common Sycamore | B2 | S | 320 | - | - |
| Grp 7 | Elder Common Sycamore Lime | B2 | S | Est 300 | - | - |
| Grp 8 | Lawson Cypress | C2 | S | Est 320 | - | - |
| H1 | Hawthorn | B2 | S | 100 | - | - |





COMPANY PROFILE, QUALIFICATIONS AND EXPERIENCE



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



The team is headed by **Colin Bashford** *MBE M.Arb., ex F.Arbor.A, MAE* who, with over 45 years in the profession, is considered to be one of the most eminent professionals in this field and is a past Registered Consultant of the Arboricultural Association, a Law Society approved Expert Witness and a member of the Academy of Experts.

Colin has worked on private estates; for Local and Central Government where in the latter he advised up to Ministerial level for government bodies, agencies and departments, as well as acting as the Inspecting Officer on Appeals, or Technical Assessor at Public Local Inquiries.

In 1990, Colin retired from public service and formed a sole practitioner company; this has since blossomed into a thriving Practice which was formally incorporated in 1993.

His expertise leads Colin to act as an expert witness on behalf of well-known household names. A listing of some of the clients of CBA Trees can be found on pages 3 and 4 of this document.

Colin is a past Chairman of the Board of Governors for Merrist Wood College in Guildford, and has served for many years on the Board of Directors of the International Society of Arboriculture and that of ISA Europe Ltd. He is currently President of the International Society of Arboriculture.



Stefan Rose joined CBA Trees in 1998 as a junior surveyor/arborist, and he has gained experience in almost every field of our work, under guidance and supervision of the senior consultants. Stefan holds the Arboricultural Association Technician's Certificate, and now as a Senior Consultant, he takes instructions from his own expanding client base, as well as assisting our Principal Consultant on prestigious casework. Stefan continues his studies towards the Professional Diploma in Arboriculture and maintains a supervisory role with our young surveyors and trainees.



James Fuller joined CBA as a student placement during 2007 and has worked continuously since that time. Having successfully completed his Foundation Degree Studies at Sparsholt College, James became a full-time surveyor/trainee consultant during Summer 2009, and now as an Arboricultural Senior Consultant he undertakes large amenity and Health & Safety audits, British Standard Surveys and provides advice in line with BS5837:2012, liaison with local authority planning and tree officers, site monitoring, provision of advice to prominent development companies and preparation of Implications Assessments and Method Statements his for ever expanding client base. As part of his professional development, James attained the Professional Tree Inspector's Certificate in November 2011.



Alex Monk has had many years of experience as an independent tree surgeon/surveyor, running his own business in Hampshire. He holds the National Certificate in Arboriculture, and the Arboricultural Association Technician's Certificate. Alex came to CBA Trees in May 2004 as a trainee surveyor/consultant, soon became a reliable and trusted member of staff, and is now a Consultant with his own extensive client base.



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

Listed below are some of the services we provide:

- Arboricultural Consultancy
- Arboricultural Impact Studies & Method Statements
- Trees in Conservation Areas
- Advice on Veteran Trees and Ancient Woodlands
- Expert Witness at PLI, and Court Work
- Arboricultural/Landscape Design
- PLI, Expert Witness and Court Work/Litigation
- Tree Survey Work (street trees, development projects, individual private sites)
- Tree Preservation Order Advice
- Tree Inspections and Hazard Risk Assessments
- Woodland Creation, Maintenance & Management
- Health & Safety issues – Inspections on behalf H&SE
- Arboricultural site and project management

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



Residential Developers

Bryant Homes (Southern) Ltd
Bryant Homes (Weald) Ltd
Wimpey Construction
Alfred McAlpine Limited
McLean Homes (South-West) Ltd
Bovis Homes Limited
Fairview New Homes plc

Beazer Homes plc
Berkeley Homes Ltd
Edward Ware Homes
Bryant Homes (South-West) Ltd
Beechwood Homes Ltd
Taywood Homes Ltd
Heron Homes/Development Ltd

Charles Church Homes
Premier Properties Limited
Persimmon Homes Ltd
Fairclough Homes Ltd
Countryside Properties
David Wilson Developments Ltd



Retail Properties/Parks

CRS Home World Limited
Allied Breweries
John Lewis Partnership

Greene King plc
Tesco Stores Ltd
North Oxfordshire Consortium

J Sainsbury plc
Lidl GmbH UK Ltd



Business Parks

Arlington

Brixton plc

Slough Estates Ltd



Leisure

Haven Europe
BskyB

Brands Hatch Leisure Group Ltd
Royal London Parks

Siblu Holidays
Oasis Projects



Design & Legal

Barton Willmore Partnership
Terra firma Consultancy
Boyer Planning Associates
Acanthus, Lawrence & Wrightson
Cunningham Ellis & Buckle
Penningtons

Tucker Parry Knowles Partnership
Derek Lovejoy Partnership
David Huskisson Associates
Acanthus Ferguson Mann
Masons
RPS Planning, Transport & Environment

Town Planning Consultancy
MacGregor Smith
Lester Aldridge
Denton Hall
Bond Pearce
McKennis



Local Authorities & Government Bodies

Royal Borough of Kensington & Chelsea
Surrey Heath Borough Council
Borough of Bexley
Highways Agency
Department of Transport
Test Valley Borough Council

Rushmoor Borough Council
West Sussex County Council
Interserve Defence Services
Basingstoke Borough Council
Southampton City Council
Aspire Defence

Royal Borough of Kingston
Poole Borough Council
Hampshire County Council
Elmbridge Borough Council
Ministry of Defence

CBA Trees can be found at 14 Damson Crescent, Fair Oak, Eastleigh, SO50 8RE. Tel: 023 8098 6229 Email: info@cbatrees.co.uk

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