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BS 5837: 2012 Tree Survey

47 Compayne Gardens
London

Undertaken by Alastair Gavin on behalf of Tree Aware UK Ltd
on the 21/02/2024

[This document sets out to evaluate the trees surveyed on the 21/02/2024 in accordance with BS 5837:2012 “Trees in relation to design demolition and construction". This document is not a tree condition survey, it categories the tree or trees based on their quality and value and thus allows for an informed decision to made in respect to the tree/trees retention and removal in connection to development.]

Methodology

This survey has been undertaken in compliance with BS 5837: 2012. This survey is not a tree condition survey; none of the trees have been climbed nor has any decay detection equipment been used, any comments in connection to the tree's condition are incidental and secondary in nature, the main objective of this survey is to inform and guide decisions in connection to development.

Where hazardous trees have been identified and recommendations given for immediate action, this should be undertaken and arranged as soon as possible.

Sequential Reference Number

All trees surveyed have been given a sequential reference number such as T1, T2, T3 or H1, H2, H3 for hedges Etc. Where trees form a group (which is decided by the surveying Arboriculturalist) a group reference number will be provided, these will be in the line of G1, G2, G3 etc.

Species

The tree species will be listed in the schedule by their common name. A key to their scientific names can be found below.

Tree Reference number	Common Name	Scientific Name	Native/Non-Native
T1	Cherry	*Prunus spp*	Non-Native
T2	Cherry	*Prunus spp*	Non-Native
T3	London Plane	*Platanus x hispanica*	Non-Native
T4	Willow	*Salix spp*	Native
T5	Sycamore	*Acer pseudoplatanus*	Non-Native

Tree Height

Tree height has been taken in meters and is an approximate measurement.

Diameter of Stem

The diameter of a single stem is taken at 1.5m above ground level. Where there are multiple stems arising from either the base of the tree or below 1.5m the diameter of the stem is calculated using annex C in the British standard BS 5837: 2012 handbook.

Crown Spread

This is measured in meters using the four cardinal points:

North, South
East, West

Height of first branch

Approximate height in meters of the first significant branch. A cardinal point maybe given to indicate the direction the branch is growing in if the branch is of a significant size.

Canopy Height

Approximate height of the canopy taken in meters.

Life Stage

The trees are classified into the following life stages dependent on their age. The categories are.

Young
Semi-mature
Early mature
Mature
Over mature

General Observations

The tree/trees, hedge and groups are observed for any structural or physiological conditions such as the presence of decay, structural defects, pest and disease pathogens etc. Any such identification will be noted, and preliminary management recommendations made.

Estimated remaining contribution, in years.

Based on the tree's condition an estimate on the remaining useful life expectancy of the tree/trees is given - these will be in the following categories.

Under 10 years
10+
20+
40+

BS 5837 Category

Category A, B, C or U is given to the trees based on the below criteria.

The purpose of the categorization which is undertaken by the surveying Arboriculturalist is to identify the value (in a non-fiscal sense) and the quality of the tree stock on site so that informed decisions can be made in regard to what trees should be removed or retained in connection to development.

Category A, B, C trees are considered worthy of retention, whereas category U trees are generally considered unworthy for retention but may have conservation value which may be desirable to conserve.

Category A

Trees of high quality with an estimated remaining life expectancy of at least

40 years.

(Having one or more of the following qualities)

1. Mainly arboricultural qualities
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)

2. Mainly landscape qualities.
Trees, groups, or woodlands of particular visual importance as arboricultural and/or landscape features

3. Mainly cultural values, including conservation.
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

(Having one or more of the following qualities)

1. Mainly arboricultural qualities
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), 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.

2. Mainly landscape qualities.
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.

3. Mainly cultural values, including conservation.
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 150 mm

(Having one or more of the following qualities)

1. Mainly arboricultural qualities
Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.

2. Mainly landscape qualities.
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.

3. Mainly cultural values, including conservation.
Trees with no material conservation or other cultural value

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 other trees nearby, or very low-quality trees suppressing adjacent trees of better quality.

Groups of trees and woodlands

Where groups of trees or woodlands exist on the site it is down to the surveying Arboriculturalist to designate these features and to decide on what information should be recorded in respect to these. In certain circumstances individual trees within a group or woodland are surveyed individually, such as when there is a need

to differentiate between them e.g., when variation is present in their structural condition.

Hedgerows, substantial internal or boundary hedges (including evergreen screens)

These are surveyed similarly to groups of trees with the lateral spread and average height and stem diameter ranges recorded. All woody species present on the site are recorded; this is to allow the potential constraints associated with such features to be fully assessed.

Where accurate measurements cannot be gained due to inaccessible trees a # will be put at the end of the figure indicating it is an estimate.

Tree Survey Schedule (RPA = Root Protection Area)

Sequential Reference Number	Species (Common Name)	Height	Stem Diameter x 12 = RPA	Branch Spread N S E W in metres	First Significant Branch	Canopy Height	Life Stage	General Observations	Estimated Remaining Contribution in years	BS 5837 Category
T1	Cherry	13m	230mm#	5, 3, 4, 4#	1.9m	2m	Semi Mature	Good formed tree located on boundary line with trees structure in neighbouring properties garden as such tree could not be fully inspected, evidence of past branch pruning, lean to stem at base towards the West which then straightens, tree appears to be in a good condition.	20+	B
T2	Cherry	9m	450mm	6, 4, 3, 5#	1.5m	2.5m	Mature	Mature Cherry with dead Ivy in canopy, average form, suppressed by T1 and T3, evidence of past canopy reduction with regrowth's present. Potential weak stem union with possible decay present as a result of past branch removal/loss, decay fruiting body at base of stem southeast side. **Recommendation** **Monitor condition (may require removal due to extent of decay)**	10+	C
T3	London Plane	20m+	920mm	9, 7#, 9#, 9#	6m	5m	Mature	Large mature tree with good form, evidence of past reduction with regrowth's present, small decay	20+	B

								cavities in old pruning wounds, tree is in a good condition. **<u>Recommendation</u>** **Re-reduce every few years**		
T4	Willow	20m+	830mm	2, 5#, 4, 8#	3m	2m	Mature	Tree located in neighbouring garden as such tree could not be fully inspected, tree previously pollarded with re-growths present, hanging/split limb in canopy, average to poor form, tree appears to be in an average to poor condition, decay fruiting body on lower stem east side, tree potentially causing damage/cracks to boundary wall. **<u>Recommendation</u>** **Remove hanging /split limb.** **Monitor condition (may require removal due to extent of decay)**	10+	C
T5	Sycamore	15m	180mm#	2, 7#, 3, 3#	3m	3m	Mature	Tree located in neighbouring garden as such tree could not be fully inspected, Ivy on stem, tree suppressed by T3, canopy favours the southern side, average form to tree, which is a likely self-set, tree appears to be in a good condition. **<u>Recommendation</u>** **Remove Ivy**	10+	C

Root Protection-Constraint Plan

(Please see separate document, Drawing No 79034-7-01)