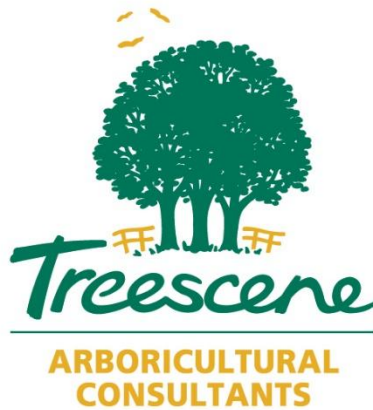




Tree Survey

At

**24 Park End,
Langstone**

*Inspected by:-
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Brief

I have been instructed by Ms. Antonella Mariani of RA Architects to carry out a survey on trees at 24 Park End, Langstone.

Scope of Report

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

The survey entailed a visual inspection from ground level of all trees.

Each tree has been numbered and, where instructed, have 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.

Trunk/stem diameters are measured at 1.5 metres above ground level, or immediately above the root flare for multi-stemmed trees.

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 crown shape.

An assessment of a tree's age classification is made in terms of its maturity within the site's landscape.

An assessment of a tree's physiological condition is made as good, fair, poor, dead.

Data on the structural condition of the tree has been entered, e.g., collapsing, leaning and the presence of any decay or physical defect has been noted.

Preliminary management recommendations include further investigation of suspected defects that require more detailed assessment or potential for wildlife habitat.

An assessment of a tree's future life expectancy is made as <10, 10-20, 20-40 or >40 etc.

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where appropriate)		
<u>Category U</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 U category trees (i.e. 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 NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7		
	1 Mainly Arboricultural values	2 Mainly landscape values	3 Mainly cultural values, including conservation
<u>Category A</u> Those 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 essential components of groups, or of 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)
<u>Category B</u> Those 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), 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 or other cultural benefits
<u>Category C</u> Those 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

BRITISH STANDARD BS 5837:2012

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
					N	E	S	W							
G1	Group of: Hazel (<i>Corylus avellana</i>), Hawthorn (<i>Crataegus monogyna</i>), Sycamore (<i>Acer pseudoplatanus</i>)	Up to 7	Single and Multi	0.15 (avg.)	2	2	2	2	0	Middle aged	Fair to poor	Off-site trees forming short section of gappy hedgerow. Most Sycamores exhibit some squirrel damage within branches.	Monitor for safety.	10-20	C
T2	Plum (<i>Prunus domestica</i>)	3	Single	0.09	0	1	1	1	1	Middle aged	Fair to poor	Fruit tree of variable form and vigour exhibiting some basal decay.	Monitor for stability.	10-20	C
T3	Oak (<i>Quercus robur</i>)	18	Multi	>1.5	9	11	9	8	3	Mature	Fair	Prominent multi-stemmed boundary tree of good form and reasonable vigour. Evidence of some alteration of ground levels on the southern side of the rooting area, which may have led to development of some deadwood on southern side of lower crown.	Prune to remove unstable deadwood of diameter greater than 50 millimetres that may impact on target areas, e.g. residential garden and parking. Monitor for health.	>40	A
T4	Holly (<i>Ilex aquifolium</i>)	4	Single	0.1	2	2	1	1	1	Young	Fair to poor	Heavily suppressed specimen of variable form and vigour.	No action required at this time.	10-20	C
G5	Group of: Leyland Cypress (× <i>Cuprocyparis leylandii</i>)	2	Single	0.05	0.25	0.25	0.25	0.25	0	Young	Fair	Short section of ornamental evergreen hedgerow.	No action required at this time.	10-20	C
T6	Plum (<i>Prunus domestica</i>)	6	Single	0.24	2	2	2	2	2	Middle aged	Fair	Scrubby woodland edge specimen of variable form and vigour.	No action required at this time.	10-20	C
T7	Sycamore (<i>Acer pseudoplatanus</i>)	5	Single	0.12	0	1	3	1	2	Young	Poor	Woodland edge tree that has suffered massive squirrel damage, leading to dieback of upper crown.	Remove.	<10	U

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
					N	E	S	W							
T8	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	15	Single	0.31	3	2	1	3	5	Middle aged	Fair to poor	Woodland edge tree of poor form and vigour, extensive dieback on southern side of crown.	Monitor annually for health and safety.	10-20	C
T9	Sycamore (<i>Acer pseudoplatanus</i>)	14	Multi	0.5	4	5	3	1	5	Middle aged	Poor	Woodland edge tree exhibiting severe dieback throughout crown that has led to 70% defoliation. This specimen represents a hazard in relation to the adjacent residential garden.	Remove.	<10	U
T10	Sycamore (<i>Acer pseudoplatanus</i>)	17	Single	0.49	7	5	6	6	9	Middle aged	Fair to poor	Prominent woodland tree exhibiting significant dieback of foliage within upper crown, possibly associated with squirrel damage. If this specimen continues to deteriorate in condition, it will represent a significant hazard in relation to the adjacent residential garden.	Monitor annually for health.	10-20	C
T11	Hornbeam (<i>Carpinus betulus</i>)	11	Single	0.26	1	3	3	1	3	Middle aged	Fair	Slightly suppressed woodland edge tree of variable form and vigour.	No action required at this time.	10-20	C
T12	Hornbeam (<i>Carpinus betulus</i>)	18	Single	0.33	2	5	9	2	5	Middle aged	Fair	Prominent woodland edge tree with crown more heavily developed on the southern side. Some historical mechanical damage to base of main stem, which is not considered significant at present.	No action required at this time.	20-40	B
T13	Sycamore (<i>Acer pseudoplatanus</i>)	13	Multi	0.3	1	3	3	1	3	Middle aged	Fair to poor	Heavily suppressed woodland edge tree of variable form and vigour. Some evidence of dieback in upper crown.	Monitor annually for safety in relation to adjacent residential garden.	10-20	C

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)				Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
					N	E	S	W							
T14	Hornbeam (<i>Carpinus betulus</i>)	18	Single	0.3	2	4	4	7	9	Middle aged	Fair	Prominent woodland tree of reasonable form and vigour.	No action required at this time.	20-40	B
T15	Hornbeam (<i>Carpinus betulus</i>)	18	Single	0.42	2	6	9	8	7	Middle aged	Fair	Prominent woodland edge tree of reasonable form and vigour, exhibiting some slight thinning of foliage in outer edge of crown.	Monitor every 3 years for health.	20-40	B
G16	Group of: Hornbeam (<i>Carpinus betulus</i>)	18	Single and Multi	0.4 (avg.)	6	5	6	8	4	Middle aged	Fair	Woodland trees of reasonable form and vigour.	No action required at this time.	20-40	B
T17	Sycamore (<i>Acer pseudoplatanus</i>)	8	Multi	0.35	0	3	6	0	2	Middle aged	Poor	Woodland edge tree that has been severely fire damaged.	Remove.	<10	U
G18	Group of: Hornbeam (<i>Carpinus betulus</i>), Sycamore (<i>Acer pseudoplatanus</i>), Hawthorn (<i>Crataegus monogyna</i>), Holly (<i>Ilex aquifolium</i>), Oak (<i>Quercus robur</i>), Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	Up to 18	Single and Multi	0.4 (avg.)	7	7	7	7	3	Middle aged / Mature	Fair	Woodland edge trees of generally reasonable form and vigour. Some specimens towards the eastern end of this group exhibit historical fire damage.	Monitor annually the health of fire damaged trees.	>40	B
G19	Group of: Ash (<i>Fraxinus excelsior</i>)	13	Single and Multi	0.4 (avg.)	4	6	7	4	3	Middle aged	Poor	Field boundary trees exhibiting early stages of Ash Dieback Disease.	Remove.	<10	U