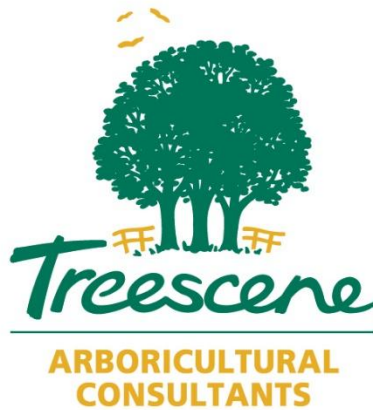




Tree Survey

At

**Pen Yr Alltwen,
Rhos,
Pontardawe**

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Brief

I have been instructed by Mr. Steffan Harries of LRM Planning to carry out a survey on trees at Pen Yr Alltwen, Rhos, Pontardawe.

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>)	3	Multi	0.1	1	1	1	1	0	Young	Fair	Scrubby specimens forming short section of gappy hedgerow.	No action required at this time.	20-40	C
T2	Oak (<i>Quercus robur</i>)	9	Single	0.26	1	3	6	3	4	Middle aged	Fair	Heavily suppressed specimen with crown developed on southern side only.	No action required at this time.	10-20	C
T3	Beech (<i>Fagus sylvatica</i>)	17	Single	0.34	6	2	6	5	6	Middle aged	Fair	Boundary tree of good form and vigour.	No action required at this time.	>40	B
T4	Sycamore (<i>Acer pseudoplatanus</i>)	15	Multi	0.6	8	5	5	6	2	Middle aged	Fair	Multi-stemmed boundary tree of reasonable form and vigour.	Monitor strength of basal forks.	20-40	B
T5	Oak (<i>Quercus robur</i>)	13	Multi	0.55	8	2	7	2	3	Middle aged	Fair	Boundary tree of reasonable form and vigour. Main stem colonised by ivy thus preventing full inspection.	No action required at this time.	20-40	B
T6	Oak (<i>Quercus robur</i>)	15	Single	0.51	7	8	8	4	4	Mature	Good	Prominent boundary tree of good form and vigour.	No action required at this time.	>40	A
G7	Group of: Holly (<i>Ilex aquifolium</i>), Hawthorn (<i>Crataegus monogyna</i>), Hazel (<i>Corylus avellana</i>), Beech (<i>Fagus sylvatica</i>), Crab Apple (<i>Malus sylvestris</i>)	5	Single and Multi	0.15 (avg.)	1	1	1	1	0	Middle aged	Fair	Scrubby specimens forming gappy field boundary hedgerow.	No action required at this time.	20-40	C
T8	Dead														U
T9	Oak (<i>Quercus robur</i>)	7	Multi	0.4	1	1	5	3	1	Middle aged	Fair to poor	Heavily suppressed specimen with crown developed on southern side only.	Monitor for stability.	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							
T10	Beech (<i>Fagus sylvatica</i>)	19	Single	1.08	9	9	9	9	3	Mature	Good	Prominent boundary tree of good form and vigour. No obvious indications of significant defects. Foliage appears healthy.	No action required at this time.	>40	A
T11	Oak (<i>Quercus robur</i>)	8	Multi	0.35	1	2	6	1	1	Middle aged	Fair to poor	Heavily suppressed twin-stemmed specimen of low vigour.	Monitor for health.	10-20	C
T12	Oak (<i>Quercus robur</i>)	9	Single	0.33	1	2	7	1	5	Middle aged	Fair to poor	Tree of variable form leaning to the south with crown developed on southern side only. This specimen may not be sustainable in the long term in this location and condition.	Monitor for stability.	10-20	C
T13	Oak (<i>Quercus robur</i>)	11	Single	0.34	1	1	9	2	4	Middle aged	Fair	Heavily suppressed specimen of variable form with crown mainly developed on southern side.	Monitor for health.	10-20	C
T14	Beech (<i>Fagus sylvatica</i>)	17	Single	0.71	7	8	8	8	3	Mature	Good	Prominent boundary specimen of good form and vigour. Historical storm damage wound on main stem at 2m has led to commencement of minor internal decay.	Monitor for safety.	20-40	B
T15	Sycamore (<i>Acer pseudoplatanus</i>)	13	Single	0.54	5	6	5	4	4	Middle aged	Fair	Prominent boundary tree of good form and vigour. Upright branching habit. Some ivy on main stem prevents full visual inspection.	No action required at this time.	20-40	B
T16	Oak (<i>Quercus robur</i>)	18	Single	0.55 (est.)	8	8	5	8	5	Mature	Fair	Offsite tree located within adjacent residential garden thus preventing full inspection and accurate measurement. Evidence of slight thinning of foliage within crown.	Monitor for health.	20-40	B

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							
G17	Group of 2: Sycamore (<i>Acer pseudoplatanus</i>)	18	Single and Multi	0.45	4	5	5	7	4	Middle aged	Fair	Offsite trees forming single crown unit. These specimens are located within adjacent residential gardens thus preventing full inspection and accurate measurement. Trees of reasonable form and vigour.	No action required at this time.	20-40	B
T18	Oak (<i>Quercus robur</i>)	18	Single	0.45 (est.)	4	6	6	7	7	Mature	Fair	Boundary tree surrounded by dense vegetation thus preventing full inspection and accurate measurement. Main stem heavily colonised by ivy thus preventing full inspection. A tree with low stem diameter to height ratio. This specimen exhibits slight thinning of foliage within crown.	Monitor for health and stability.	20-40	B
T19	Oak (<i>Quercus robur</i>)	17	Single	0.45 (est.)	5	7	1	3	8	Mature	Fair to poor	Offsite tree located within adjacent residential garden thus preventing full inspection and accurate measurement. A tree of variable form exhibiting slight thinning of foliage within crown. Some deadwood accumulated. Main stem colonised by ivy thus preventing full inspection.	Monitor for health.	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							
T20	Beech (<i>Fagus sylvatica</i>)	19	Multi	1.0	8	8	8	9	5	Mature	Fair	Boundary tree located within dense vegetation thus preventing full inspection of base. Main stem colonised by ivy thus preventing full inspection. Triple-stemmed specimen with potentially included basal forks. Evidence of slight thinning of foliage in upper crown.	Monitor for health and stability.	20-40	B
T21	Oak (<i>Quercus robur</i>)	15	Single	0.75 (est.)	8	7	7	7	2	Mature	Fair	Boundary tree located within hedgerow thus preventing full inspection. Evidence of significant thinning of foliage within crown that may be indicative of declining vigour. Main stem colonised by ivy thus preventing full inspection.	Monitor for health.	20-40	B
G22	Group of: Hazel (<i>Corylus avellana</i>), Hawthorn (<i>Crataegus monogyna</i>), Holly (<i>Ilex aquifolium</i>), Sycamore (<i>Acer pseudoplatanus</i>), Oak (<i>Quercus robur</i>)	3	Single and Multi	0.1	1	1	1	1	0	Middle aged	Fair	Scrubby specimens forming gappy field boundary hedgerow.	No action required at this time.	20-40	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							
T23	Oak (<i>Quercus robur</i>)	9	Single	0.39	7	0	2	10	1	Mature	Fair to poor	Heavily suppressed hedgerow tree leaning to the west with crown developed on western side only. Evidence of some thinning of foliage within crown.	Monitor for health and stability.	10-20	C
T24	Oak (<i>Quercus robur</i>)	17	Single	0.37	8	8	4	7	5	Mature	Fair	Tree of reasonable form located on garden boundary thus preventing full inspection of base. Evidence of slight thinning of foliage within crown. Main stem partly colonised by ivy thus preventing full inspection.	Monitor for health.	20-40	B
T25	Oak (<i>Quercus robur</i>)	17	Single	0.39	6	7	6	7	6	Mature	Fair	Tree located on garden boundary thus preventing full inspection of base. A tree of good form exhibiting slight thinning of foliage.	No action required at this time.	20-40	B
T26	Oak (<i>Quercus robur</i>)	20	Single	0.57	9	9	8	10	4	Mature	Fair	Prominent boundary tree partly located within residential garden thus preventing full inspection of base. Some ivy colonisation at base prevents full inspection. Evidence of slight thinning of foliage within crown.	Monitor for health.	20-40	B
T27	Dead														U
T28	Oak (<i>Quercus robur</i>)	19	Single	0.48	4	6	7	8	5	Mature	Fair	Tree partly located within residential garden thus preventing full inspection of base.	No action required at this time.	>40	B
T29	Oak (<i>Quercus robur</i>)	18	Single	0.59	3	8	6	7	2	Mature	Fair	Boundary tree with crown more heavily developed on southern side. Main stem colonised by ivy thus preventing full inspection.	No action required at this time.	>40	B

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							
T30	Oak (<i>Quercus robur</i>)	16	Single	0.44	2	0	2	7	5	Mature	Fair to poor	Boundary tree leaning to the west with crown developed on western side only due to suppression by more dominant specimens to the north and south. Main stem and mid crown heavily colonised by ivy thus preventing full inspection.	Monitor for stability.	10-20	C
T31	Oak (<i>Quercus robur</i>)	14	Single	0.71	7	9	7	8	4	Mature	Good	Prominent hedgerow tree of slightly squat habit. Main stem colonised by ivy thus preventing full inspection. Some evidence of slight thinning of foliage within crown.	No action required at this time.	>40	B