



Tree Survey

At

Cleddau Bridge Hotel, Pembroke

*Inspected by:-
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Brief

I have been instructed by Mr. Llyr Morris of Castell Group to carry out a survey on trees at Cleddau Bridge Hotel, Pembroke.

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)		
<p><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</p>	<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 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 <p>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7</p>		
	1 Mainly Arboricultural values	2 Mainly landscape values	3 Mainly cultural values, including conservation
<p><u>Category A</u> Those of high quality with an estimated remaining life expectancy of at least 40 years</p>	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)
<p><u>Category B</u> Those of moderate quality with an estimated remaining life expectancy of at least 20 years</p>	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
<p><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</p>	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							
T1	Cedar (<i>Cedrus</i> spp.)	5	Single	0.2 (est.)	2	2	2	2	1	Young	Poor	Tree surrounded by dense vegetation thus preventing full inspection and accurate measurement. Tree of variable form exhibiting significant dieback of foliage throughout crown, possibly as a result of exposure to salt-laden winds.	Remove.	<10	U
G2	Group of: Blackthorn (<i>Prunus spinosa</i>)	3	Single and Multi	0.1	1	1	1	1	0	Middle aged	Fair	Dense thicket forming short section of boundary hedgerow.	No action required at this time.	10-20	C
G3	Group of: Griselinia (<i>Griselinia</i> spp.)	3	Single and Multi	0.15	1	1	1	1	0	Middle aged	Fair	Dense boundary hedgerow formed by ornamental shrub species that is tolerant of salt-laden winds.	No action required at this time.	20-40	C
G4	Group of: Griselinia (<i>Griselinia</i> spp.), Blackthorn (<i>Prunus spinosa</i>)	Up to 4	Single and Multi	0.15	1	1	1	1	0	Middle aged	Fair	Dense boundary hedgerow dominated by ornamental shrub. Some selected specimens of Blackthorn within this boundary feature.	No action required at this time.	20-40	C
G5	Group of: Sweet Bay (<i>Laurus nobilis</i>)	4	Multi	0.15	1	1	1	1	0	Middle aged	Fair	Scrubby specimens forming dense clump adjacent to outbuilding.	No action required at this time.	20-40	C
G6	Group of: Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	Up to 6	Multi	0.25	2	3	2	1	0	Middle aged	Fair to poor	Linear boundary hedgerow that has been severely pruned on western side leading to death and dieback of crown to the west with some associated internal decay.	Monitor for stability.	10-20	C

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					N	E	S	W							
T7	Apple (<i>Malus</i> spp.)	2	Multi	0.15	1	1	1	1	0	Middle aged	Fair to poor	Fruit tree of variable form exhibiting significant dieback of foliage throughout crown, possibly associated with exposure to salt-laden winds.	Monitor for health.	10-20	C
T8	Sweet Bay (<i>Laurus nobilis</i>)	2	Multi	0.1	1	1	1	1	0	Young	Fair	Scrubby multi-stemmed specimen of variable form.	No action required at this time.	10-20	C
T9	Cypress (<i>Cupressus</i> spp.)	3	Multi	0.2	1	1	1	1	0	Middle aged	Fair to poor	Scrubby ornamental specimen exhibiting some dieback of foliage in lower crown.	Monitor for health.	10-20	C
T10	Scots Pine (<i>Pinus sylvestris</i>)	5	Single	0.22	2	2	2	2	1	Middle aged	Fair	Prominent specimen of reasonable form and vigour.	No action required at this time.	>40	B
T11	Cypress (<i>Cupressus</i> spp.)	3	Multi	0.15	1	1	1	1	0	Middle aged	Fair to poor	Ornamental specimen of variable form exhibiting some dieback of foliage within crown.	Monitor for health.	10-20	C
T12	Laburnum (<i>Laburnum anagyroides</i>)	2	Single	0.1	1	1	1	1	1	Young	Poor	Tree of poor form exhibiting significant internal decay which has led to splitting of main stem.	Remove.	<10	U
T13	Holly (<i>Ilex aquifolium</i>)	4	Multi	0.15	1	1	1	1	0	Young	Fair	Twin-stemmed specimen of reasonable form and vigour located immediate adjacent to retaining wall. This specimen may not be sustainable in the long term in this location.	Monitor development of stem and crown in relation to retaining wall.	10-20	C
T14	Whitebeam (<i>Sorbus aria</i>)	7	Single	0.31	3	3	3	3	2	Mature	Good	Prominent specimen of reasonable form and vigour exhibiting some mildly included forks in lower crown.	Monitor strength of lower forks.	20-40	B
T15	Cypress (<i>Cupressus</i> spp.)	4	Multi	0.15	1	1	1	1	0	Middle aged	Fair to poor	Ornamental specimen exhibiting some dieback of foliage within crown.	Monitor for health.	10-20	C