

THE SEAMAN PARTNERSHIP LTD

28 Kingsway, Craigweil, Aldwick

- Existing Tree Schedule and Schedule of Tree Works

Planning Issue

Prepared by	GS
Checked by	JJ
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Tree No.	Species.	Diameter mm @1.5m height	Height m (approx)	Spread m (approx)	Age	Condition / Preliminary Recommendations	Category	Status
T 01	<i>Gleditsia triacanthos</i> (Honey Locust); (1.8 m Radius of nominal circle; RPA 10 m ²)	134 mm	7.2 m Clear Stem Height 3.0 m	N 2.0 m E 2.0 m S 2.0 m W 1.0 m	Life Stage: Semi- mature Estimated Remaining Contribution: < 10 Years	A semi-mature Honey Locust tree within the highway verge to the north of the property. The root plate is predominately in the lawn but is restricted to the north by the highway which is 1.5 m from the base. There is significant mechanical damage to the buttress roots, along with evidence of root girdling and a large decaying cavity at the base almost completely through the centre. An elongated wound to the northern aspect from the base to 1.0m height ranging from 5 – 50mm in width with exposed heartwood. The westerly co-dominant stem has been removed leaving an unoccluded wound with burrowing insect damage and signs of decay. The compression joint has 70cm of included bark. There are splits and cracks from 3.0 to 4.0m height. There are unoccluded pruning wounds from 1.0 – 4.0m height. The canopy is asymmetrical. Recommendations; Tree should be dismantled to near ground level taking care not to damage neighbouring trees.	U	Retain

Tree No.	Species.	Diameter mm @1.5m height	Height m (approx)	Spread m (approx)	Age	Condition / Preliminary Recommendations	Category	Status
SH 02	Mixed-Species Shrub Group; (1.5 m Radius of nominal circle) (Average) <i>Laurus nobilis</i> (Bay Laurel); <i>Cupressocyparis X leylandii</i> (Leyland Cypress); <i>Ilex aquifolium</i> (Holly); <i>Fushia</i> sp.; <i>(i) Pittosporum tenuifolium</i> (Kōhūhū); (6.9 m Radius of nominal circle; RPA 150 m²)	(i) 255 mm CSD	5.0 – 9.0 m Clear Stem Height N/A	As Shown	Life Stage: Mature Estimated Remaining Contribution: + 10 Years	A semi-mature tree or unmaintained shrub group to the northern boundary of the site. Recommendations: Retain Bay Tree within the final scheme proposals and remove basal growth at base of Bay and lift lower branches from base to create 1.5m height clear stem. Remove all other shrubs to accommodate new development.	C	Retain Bay Tree. Remove all other Shrubs beneath.

Tree No.	Species.	Diameter mm @1.5m height	Height m (approx)	Spread m (approx)	Age	Condition / Preliminary Recommendations	Category	Status
T 03	<i>Ilex aquifolium</i> (Holly) (2.7 m Radius of nominal circle; RPA 23 m ²)	223 mm	10.0 m Clear Stem Height 1.7 m	N 4.0 m E 4.0 m S 2.0 m W 2.0 m	Life Stage: Semi- mature Estimated Remaining Contribution: +10 Years	A semi-mature Holly tree to the northern boundary of the site. The root plate is situated within an unmaintained shrub border. Green waste piled up against northern aspect of the trees base. Partially occluded and occluded minor wounds from 1.5 to 3.0m height. Minor dead wood from 2.0 to lower canopy of tree. Historically pollarded at 4.0 m height with multiple co-dominants arising from the main stem. T 04 and T 05 are severely impeding canopy growth. Recommendations: Tree to be retained within the scheme proposals. New driveway to be constructed with 'no-dig' construction above existing tree roots.	C	Retain

Tree No.	Species.	Diameter mm @1.5m height	Height m (approx)	Spread m (approx)	Age	Condition / Preliminary Recommendations	Category	Status
T 04	<i>Acer pseudoplatanus</i> (Sycamore); (4.8 m Radius of nominal circle; RPA 72 m²)	382 mm	11.0 m Clear Stem Height 2.0 m	N 5.0 m E 5.5 m S 5.5 m W 5.0 m	Life Stage: Semi- mature Estimated Remaining Contribution: 10 + Years	A semi-mature Sycamore to the northern boundary of the site, located in amongst large shrubs and trees. Change in soil level to the base of the tree due to green waste disposal within the shrub border. Small self seeded Holly growing at base of the tree. Bark smoothing to northern aspect from the base to 2.5 could be a sign of stress. Bark smoothing the western stem. Small unoccluded wound at the base of the tree to the western aspect 15cm in height. Strong primary scaffold branches from 2.0m to 4.0m in height all with compression joints with minor inclusive bark at the union. Hazard beam on underside of lowest westerly lateral. Recommendations: Tree to be retained within the scheme proposals. New driveway to be constructed with 'no-dig' construction above existing tree roots.	C	Retain

Tree No.	Species.	Diameter mm @1.5m height	Height m (approx)	Spread m (approx)	Age	Condition / Preliminary Recommendations	Category	Status
T 05	<i>Quercus robur</i> ; (<i>Pedunculata Oak</i>) (3.6 m Radius of nominal circle; RPA 41 m ²)	286 mm	11.0 m Clear Stem Height 1.8 m	N 1.0 m E 4.0 m S 5.0 m W 6.0 m	Life Stage: Semi- mature Estimated Remaining Contribution: 10 + Years	A semi-mature Oak tree to the northern boundary. Soil level changes at base due to dumping of compost. There are no signs of defects to the root collar of buttress roots. Minor mechanical damage to the main stem on the westerly aspect at 1.0m height. Minor dead branches from 2.0m height to the upper canopy. Minor Ivy cladding to 4.0m height. The apical stem has been removed either storm damage or historical pruning and the resultant growth combined with the close proximity of the neighbouring trees has given the tree an asymmetrical and irregular canopy held heaviest to the south. The trees overall condition is considered to be poor. Recommendations: Remove tree to accommodate development proposals.	C	Remove
SH 06	Mixed-Species Shrub Group; <i>Camellia sp.</i> ; <i>Euonymus sp.</i> ; <i>Azalia sp.</i> ; <i>Berberis sp.</i> ; <i>Escallonia sp.</i> ; <i>Ilex sp.</i>	N/A	2.0 m (Average) Clear Stem Height N/A	As Shown	Life Stage: Mature Estimated Remaining Contribution: 10 + Years	A cultivated and semi-maintained shrub group screening the garage to the western side of the site. Recommendations: Remove shrub to accommodate development proposals.	C	Remove

Tree No.	Species.	Diameter mm @1.5m height	Height m (approx)	Spread m (approx)	Age	Condition / Preliminary Recommendations	Category	Status
H 07	<i>Prunus laurocerasus</i> (Laurel) (2.4 m Radius of nominal circle)	192 mm CSD	2.5 m (Maintained height) Clear Stem Height N/A	As Shown	Life Stage: Semi- mature Estimated Remaining Contribution: < 10 Years	A semi-mature Laurel hedge to the western boundary of the site. Recently been renovated to its eastern aspect to reduce the width and encroachment onto the lawn area. The hedge is showing signs of recovery. Holly and Bay saplings growing intermittently at the base of the hedge. Recommendations: Remove hedge to accommodate development proposals.	C	Remove
SH 08	Mixed-Species Shrub Group;	223 mm (Average)	2.5 m (Average) Clear Stem Height N/A	As Shown	Life Stage: Semi- mature Estimated Remaining Contribution: 10 + Years	A mixed-species shrub group to the south-western corner of the site. Recommendations: Remove shrub to accommodate development proposals.	C	Remove

Tree No.	Species.	Diameter mm @1.5m height	Height m (approx)	Spread m (approx)	Age	Condition / Preliminary Recommendations	Category	Status
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CATEGORY DIVISION - BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'

Trees to be considered for retention

Category A

- Trees whose retention is most desirable to include; trees of high quality having an estimated longevity of over 40 years;

1. Mainly Arboricultural Qualities

- Trees that are particularly good examples of their species, especially if rare or unusual

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 of significant historical, commemorative or other value, or good specimens of rare or unusual species

Category B

- Trees where retention is desirable to include; trees of moderate quality having an estimated longevity of over 20 years;

- Trees that might be included in the higher category, but because of significant impaired but remediable condition are downgraded

- Trees present in numbers offering a higher collective categorisation than as individually rated; trees occurring in groups but due to situation, offering little contribution in the context of the wider locality

- Trees having some material conservation or cultural value

Category C

- Trees of low quality having an estimated longevity of over 10 year, or young trees with a stem diameter below 150mm;

- Trees in adequate or impaired condition, or those which can be retained with minimal tree surgery, but not worthy for inclusion in the high or moderate category

- Trees present in numbers without having significant landscape value

- Trees having no material conservation or other cultural value

Trees unsuitable for retention

Category U - Trees not for retention within the context of existing land use;

- Trees that are unviable due to serious, irremediable structural defect; early loss is expected due to collapse;
- Trees that are dead or showing signs of significant, immediate, irreversible decline;
- Trees infected with pathogens of significance to health and subsequent safety, and threat there of to trees nearby;
- Trees of very low quality suppressing the development of those of greater quality;
- Trees that will become unviable after the removal of other trees for reasons above.

CSD – Combined Stem Diameter;

- Root Protection Areas calculated for multiple stemmed trees based upon a combined stem diameter in accordance with BS 5837:2012.

- The location and constraints of existing trees and vegetation within the survey site are illustrated within drawing; LLD856/01 – Tree Constraints Plan.
- Tree retention and protection measures are illustrated in; LLD856/02 Tree Retention and Protection Plan.
- For guidance of the retention and protection of trees refer to; LLD856 Arboricultural Impact Assessment.

Tree Inspection – Explanation Key

Tree Ref No. – A unique number identifying each tree on an accompanying site plan.

Species – Tree Species – Recorded as a common and Latin name for species.

Height – Approximate tree height above ground level expressed in metres.

(Groups of trees will be surveyed with the average height given. Where accurate heights are required these can be obtained with optical instruments.)

SD – Stem Diameter

The tree trunk stem diameter measured at 1.5 m above ground level in millimeters.

(On sloping ground this is 1.5 m above ground level. Where two or more stems are present below 1.5 m the tree will be surveyed immediately above the root flare.)

Crown Spread

The approximate extent of the spread of branches in the crown taken from the tree trunk to outer edge of general crown of individual trees or the canopy spread of the multiple trees and groups.

Measured along the four cardinal points, to derive an accurate representation of the dimensions.

(The figure is the distance of the general crown line. In certain cases an exceptional or etiolated branch may extend beyond the stand figure.)

Life Stage

	Life Stage	Definitions
Y	Young	Recently planted or established tree that could be transplanted with the correct equipment
E/M	Early-mature	An established tree, but with some growth to make before reaching it's potential maximum size. A tree within it's first third of life span.
S/M	Semi-mature	A tree reaching its ultimate potential height, whose growth rate is slowing down but if healthy, will still increase in stem diameter and crown spread. A tree in its second third of life span.
M	Mature	A mature specimen with limited potential for any significant increase in size, even if healthy. A tree within its final third of life span.
O/M	Over-mature	A senescent (<i>declining/degradation</i>) or moribund specimen of low vigor within its final third of expected life span. Possibly containing sufficient structural defects with safety and/or duty of care implications.
V	Veteran	Specimen exhibiting features of biological, cultural or aesthetic value that are characteristic of, but not exclusive to, individual surviving beyond the typical age range for the specimen concerned.
D	Dead	The tree is dead and cannot be clarified as a veteran tree. Its age up till death is of no significance.

Physiological Condition

	Condition	Definition
G	Good	Generally in good health typical of the species needing little, if any attention. Few minor defects of little overall significance such as physical damage or suppressed branches. Showing no adverse risk of failure/defects.
F	Fair	A tree or trees of minor but rectifiable defects or in the early stages of stress, from which it may recover. Showing minor signs of deterioration. This could include a major defect in its early life stage, or multiple minor defects. A tree that may require work to remove or improve a defect.
P	Poor	A tree or trees with major structural and physiological defects or stressed such that it would be a risk to retain in its current or future known situation. Unlikely to return to a good condition given time or remedial work.
D	Dead	A tree or trees no longer alive. However, this could also apply to those trees that are dying and will be unlikely to recover, or are becoming or have become dangerous.

Structural Condition

The structural condition is defined by the presence of any decay pathogens and/or physical defects and problems following inspection of the root and buttress area, trunk, branches, both primary and secondary and crown including twigs, leaves and buds.

Recommendations (*Remedial Action*)

In order to identify priorities and assist in tree management recommended works are categorized according to the perceived level of urgency that the recommended treatment requires.

Prioritisation considers:

- Significance of any identified defect such as the presence of any decay and/or physical defect based on root and buttress area, trunk, scaffold limbs and crown
- Tree size, or tree part considered likely to fail.
- Nature of target area vulnerable to direct impact from tree or part, considered likely to fail and apparent frequency of target area usage.
- Apparent imminence of failure of the identified tree or part

Included are any recommendations for further investigation of suspected defects that require more detailed assessment, decay deflection, Ivy removal and other obstruction or potential for wildlife habitat.

Arboricultural works are specified and should be carried out in accordance within the guidelines of the British Standard **BS3998: 2010 'Recommendations for Tree Works'**

Work Priority

Based on the collection of data above, the management recommendations are categorised by priority in accordance with the below table.

Category	Priority	Response
A	Urgent	Within 24 hours
B	Very High	Within 30 days
C	High	Within 6 months
D	Moderate	Within 12 months
E	Low	Work to be carried out as and when at the owners/managers discretion

Inspection Frequency

A period of time specified in months and/or years that this tree should undergo a full and detailed inspection as could also be determined in the above recommendations and work priority.

Dead wood

Dead wood	Definition / Size
Twigs	Small branch material up to 5 cm in diameter.
Minor dead wood	Dead wood 5 cm to 10 cm in diameter.
Major dead wood	Dead wood 10 cm in diameter and above.

Target - (*Definition of risk (Target either people, vehicles and/or property)*)

Risk	People	Property	Vehicular
Very High	36 per hour - Constant	£200,000 > or inhabited	Major trunk roads, built up area
High	10 – 100 per hour	£50,000 - £200,000	Principle rd, non built up area
Medium	1 – 10 per hour	£10,000 - £50,000	Minor road moderate use
Low	< 1 per hour	£2,000 - £10,000	Minor road low use
Very Low	< 1 per day	£100 - £2,000	Private roads and tracks
Unlikely	< 1 per week	£10 - £100	None

(Risks can alter depending on variables which need to be taken into consideration at the time of inspection)