



Tree Survey & Landscaping Assessment

For

Erection of 1 No. Two Bedroom Chalet Bungalow,

At

**32 Fishery Lane,
Hayling Island
PO11**

Tree Schedule to BS.5837:2012
Please refer to Drawing 1359-122

Ref	Species	Ht (M)	Stem dia.	Spread	Age Class	Condition	Comment	Cat
1	Flowering Crab Apple <i>Malus</i>	7.1	M 400	N 3.5 E 3.5 S 3.5 W 3.5	M.A	Good		B1
2	False Acacia 'Frisia' <i>Robinia pseudoacacia</i>	6.2	M 230	N 3 E 2 S 1.5 W 1.5	Y	Poor	Roots under existing patio. To be removed	C1
3	Hazel <i>Corylus</i>	6.5	S 260	N 3 E 3 S 3 W 3	M.A	Good		B1
4	Silver Birch <i>Betula pendula</i>	3.4	S 160	N 3 E 2.5 S 2.5 W 3	Y	Good	Recently crowned.	B1

1.0 Assessment of Trees and Constraints

- 1.1 All trees are within the applicants' site. They are spread across the drawing to form a rough quadrangle, with no grouping. The site is not within a Conservation Area and none of the trees are under a TPO.
- 1.2 T1 is an ornamental Flowering Crab Apple. Although it has good form, it does not have any particular arboricultural merit and is not visible from the street or neighbouring properties.



T1

- 1.3 T2 is a False Acacia planted next to a patio area. It appears to be in relatively poor condition, possible because of its proximity to the patio or because this species does not do well in shaded areas. False Acacia is not native to the UK and is considered an invasive species in many countries. It is the applicants' intention to remove this tree as part of the proposed works.



T2

- 1.4 T3 is a Hazel and will be retained.



T3

- 1.5 T.4 is a recently crowned Silver Birch and will be retained.



T4

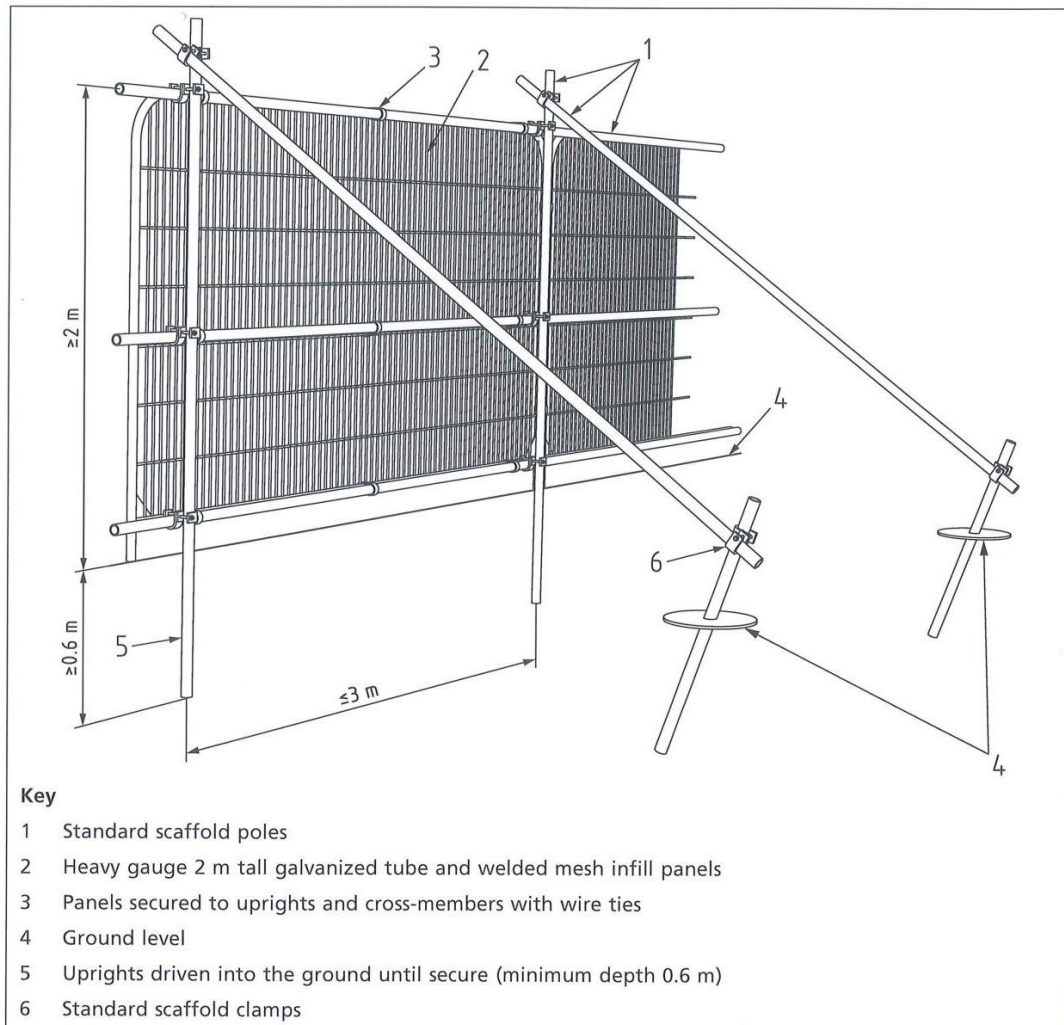
- 1.6 The spread of tree roots is at least equal to the height of the tree, see chart above.
- 1.7 The trees to be retained are located some distance from the proposed development and are not expected to require protection measures.
- 1.8 The site is well screened by a mature Privet Hedge, approximately 6m in height. A section of the hedge will be removed along the west boundary to allow better access to the site. Hedge planting will otherwise be retained.
- 1.9 Other than the trees and screen planting already mentioned above, the site has very little planting. The majority of the garden is lawn, with low level planting in troughs or pots, all of which will be at the applicants' discretion to keep or discard.

2.0 Proposed Tree

As shown in drawing 17045-130, there are two major sewers running underneath the site. Southern Water requires 4m clearance either side of the drains for new building works and new tree planting. Due to this reason, there is very limited space to position the replacement tree and therefore this defines the proposed tree location.

3.0 Method Statement

- 3.1 Erect protective fencing, as shown on drawing 17045-104. All barriers to remain rigid, complete, and in their original setting out position.



- 3.2 Within the protective fencing there is to be:

- No mechanical digging or scraping once initial ground cover has been removed and the barrier erected.
- No storage of plant, equipment, or materials.
- No vehicular or plant access.
- No fire lighting.
- No handling, discharge, or spillage of any chemical substance, including cement washings.
- No action likely to cause localised water-logging
- No change in ground levels.

3.3 In the unlikely event that roots are exposed during hand-dug excavation they are to be cleanly severed with bypass secateurs.

3.4 Pre- Development:

Removal of T2.

3.5 Demolition Works:

Locate debris skips away from protection zones.
Keep demolition vehicles to existing drive areas.
Locate bonfires well away from all trees.

3.6 Construction Works:

Keep delivery vehicles to existing drive areas.
Keep materials stockpiles away from trees.

4.0 Materials and Workmanship

4.1 Work is to comply with British Standard as per the attached Appendix.

Chemicals:

4.2 Chemicals which are not listed in the Ministry of Agriculture's "Agricultural Chemicals Approved Scheme" current list of approved products are not to be used. Strict adherence to Manufacturers' Instructions is absolutely necessary.

Cultivation of Planting Areas:

4.3 This specification refers to terrace planting only. Plants to be maintained in tubs or troughs prepared with an appropriate soil type.

Watering:

4.4 During the growing season all plants shall be watered as necessary or directed to ensure healthy growth. Drought or unavailability of water shall not release the person carrying out landscaping works from their obligations to replace all plant losses.

5.0 General Planting Operations

5.1 All plant material shall be supplied exactly true to name as shown in the schedule. No variations from the schedule of plants will be acceptable, except on written instructions from the Architect. Grafted material shall not be acceptable.

5.2 All plants shall be guaranteed for a period of 1 year from the date of Practical Completion against death, deformation, or disease. The person carrying out planting works shall not be responsible for malicious damage.

- 5.3 Protection shall be given to plants during delivery to site to prevent drying out of roots. Plant material which cannot be planted immediately shall be heeled into the ground until it is planted.
- 5.4 All planting material shall be planted between November and March inclusive, unless the Architect direct otherwise. Planting shall not take place in frosty, snowy, or waterlogged conditions. Damaged roots shall be pruned off cleanly prior to planting.
- 5.5 At the end of the growing season, whilst still in leaf, plants shall be inspected jointly by the person carrying out landscaping works and the Architect. Any plants which have died or are not in thriving condition shall be replaced by the person carrying out landscaping works at the earliest opportunity in the following planting season. All replacements shall be agreed in writing.

6.0 Planting of Shrubs

- 6.1 All plants shall comply with paragraph 2.1 British Standards and shall be in accordance with the height set out on the schedule of plants.
- 6.2 Immediately prior to planting, cultivate shrubs beds to a depth of 300mm and remove all weeds, rubbish, and stones exceeding 50mm diameter arising, and remove from the site.
- 6.3 Shrubs shall be planted exactly as shown on the approved drawings, and at the centres shown on the drawings, so as to achieve a natural appearance. Planting holes shall be 150mm wider than the root spread, and care shall be taken to avoid breaking, bending or cramping of the roots. Top soil shall be firmed in layers around the roots ensuring no voids. Set plants upright and at the same depth as grown in the nursery. All root wrappings and containers shall be carefully removed prior to planting.
- 6.4 The owner will be personally managing and carrying out all landscaping work. The owner shall for 12 months carry out the following maintenance:
- (i) All shrub beds shall be hoed or forked regularly, removing all weeds and rubbish and leaving the soil open and the surface cultivated.
 - (ii) Prune out any broken, dead, or diseased branches.
 - (iii) Firm in any frost heaved plants.
 - (iv) Water all shrubs and climbers as necessary or as directed in accordance 1.4 above.
 - (v) All losses shall be made good in accordance with 2.2 above.

7.0 Landscaping schedule

7.1 Shrub Planting @ 500 c/s - 1.5 Ltr Pots

Photinia x Fraseri 'Red Robin'	50%
<i>Pyracantha</i> 'Orange Glow'	50%

- 7.2 Photinia x Fraseri 'Red Robin' is a dense, medium-sized evergreen shrub of erect habit, with glossy elliptic leaves to 10cm in length, bright red when young, later dark green. Flowers are creamy-white and rather sparse. It has a maximum height of 4M.
- 7.3 *Pyracantha* 'Orange Glow' is a large, strong-growing, spiny evergreen shrub of upright habit, with oblong, glossy dark green leaves. Clusters of small, white flowers in early summer are followed by long-lasting, bright orange berries. It has a maximum height of 2.5M.
- 7.4 2 No. *Sambucus Nigra*. Common Elder is a large bushy shrub or small tree native to the UK. It can reach up to 6m in height, approximately the height of the existing hedge, and has pinnate leaves which turn pale yellow in autumn and flat sprays of fragrant cream flowers in early summer, followed by small black berries.
- 7.5 Landscaping works are expected to take place between March and May of 2018, to tie in with garage construction works.

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Appendix A:

British Standards Applicable to Landscaping Works

BS ISO 257: 2004	Pesticides and other agrochemicals. Principles for the selection of common names.
<u>BS 3882: 2007</u>	<u>Specification for topsoil and requirements for use.</u>
BS 3936-1: 1992	Nursery stock. Specification for trees and shrubs.
<u>BS 3936-7: 1989</u>	<u>Nursery stock. Specification for bedding plants.</u>
<u>BS 3936-9: 1998</u>	<u>Nursery stock. Specification for bulbs, corms and tubers.</u>
<u>BS 3936-10: 1990</u>	<u>Nursery stock. Specification for ground cover plants.</u>
<u>BS 4428: 1989</u>	<u>Code of practice for general landscape operations (excluding hard surfaces).</u>
BS 5551: Various	Fertilisers.
<u>BS 5930: 1981</u>	<u>Code of practice for site investigations.</u>
<u>BS 6031:2009</u>	<u>Code of practice for earthworks.</u>
BS EN ISO 11091: 1999	Construction drawings. Landscape drawing practice.
BS EN 13556: 2003	Round and sawn timber. Nomenclature of timbers used in Europe.