



ARBORICULTURAL METHOD STATEMENT

Land adj. **Saxted House, Tower Street, Emsworth**

*- prepared on behalf of **Mr S Maddock** –*

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1.0 INTRODUCTION & CLIENTS BRIEF

- 1.1 I am instructed by **Mr Seamus Maddock** who as owner of the site seeks to obtain planning approval to construct a new dwelling on this plot.
- 1.2 There are trees on site of various species which will need to be catered for during this process.
- 1.3 I have been commissioned to prepare a report to satisfy the arboricultural aspects of this project to meet planning requirements.
- 1.4 My work is to be compiled in accordance with the recommendations contained within BS5837:2012.
- 1.5 This site is within a Conservation Area.

2.0 DOCUMENT DISCLOSURE STATEMENT

I have been provided with the **Daniells Harrison** Planning Layout Drawing :-

Planning Site Plan – 190182- PL02 – Rev D - 1:200 @ A3 – May 2020.

This plan has been provided to me for the purposes of my work and I rely totally on the accuracy of this drawing in terms of tree location; applying crown spreads and setting out protective fencing.

3.0 TREE SURVEY & ROOT PROTECTION SCHEDULES & IMPACT ASSESSMENT

3.1 I visited the site on **31st March 2020** and carried out a tree survey exercise in accordance with BS5837:2012 recommendations.
(see also the explanatory tree survey notes [at appendix BH1](#)).

Tree No.	Species	Ht m	Diam mm	Brch Sprd m	GC m	LS	Comments	Preliminary Management Recommendations	Rem Con yrs	Cat
1	Honey Locust <i>Gleditsia triacanthos</i>	5	180	N 1.5 E 2 S 3 W2.5	1.5	SM	Fair shape and form	No works are deemed essential at this time	>40	B1
2	Common Beech <i>Fagus sylvatica</i>	5	200	N 2 E 1.5 S 2.5 W2	0.5	SM	Previously reduced and reshaped-low branching habit-fair shape and form	No works are deemed essential at this time	>40	B1
3	Purple Crab <i>Malus purpurea</i>	5	220 #	N 3.5 E 3.5 S 3.5 W3.5	2	M	Off site tree-central crown has been thinned out-good shape and form	No works are deemed essential at this time	>40	A1
Group 1	Ornamental Crabs <i>Malus</i> spp.	1.8	50	N 1 E 1 S 1 W1	0.5	Y	The staked tree of the two has been affected by the prevailing winds and leans northeast-poor quality overall	No works are deemed essential at this time	10 - 20	C2
4	Purple Crab <i>Malus purpurea</i>	3.5	90	N 2 E 2 S 2 W2	1	Y	Previously reduced and reshaped-low branching habit-good shape and form-multi stemmed at 1m	No works are deemed essential at this time	>40	B1
5	Flowering Cherry <i>Prunus avium</i>	4	120	N 2 E 2 S 2 W2	0.5	SM	Multi stemmed at 1m-low branching habit	No works are deemed essential at this time	>40	B1
6	Purple Crab <i>Malus purpurea</i>	3.5	70	N 2 E 1.5 S 3 W2	0.5	Y	Low branching habit	No works are deemed essential at this time	>40	B1
7	Italian Cypress <i>Cupressus sempervirens</i>	6	140	N 0.4 E 0.4 S 0.4 W0.4	0	SM	Fair shape and form	No works are deemed essential at this time	>40	B1

Group 2	English Yews <i>Taxus baccata</i> x 2 of	4	100 x 4	N 1 E 1 S 1 W1	0	Y	Multi stemmed at ground level-pruned to form an arch	No works are deemed essential at this time	>40	A2
8	Tibetan Cherry <i>Prunus serrula</i>	3	80	N 1 E 1 S 1 W1	3	Y	Multi stemmed at 0.3m-low branching habit-fair shape and form	No works are deemed essential at this time	>40	B1
9	Tibetan Cherry <i>Prunus serrula</i>	3	75	N 1 E 1 S 1 W1	0.5	Y	Low branching habit-fair shape and form	No works are deemed essential at this time	>40	A1
10	Holly <i>Ilex aquifolium</i>	5	200	N 3 E 3 S 3 W3	1.5	EM	Crown lifted to 1.5m-low branches resting on top of the brick boundary wall-fair shape and form	Crown lift to clear the top of the wall	>40	A1
11	Weeping Birch <i>Betula pendula</i>	3	190	N 2.5 E 3.5 S 2.5 W2.5	1	EM	Low branching habit-good shape and form	No works are deemed essential at this time	>40	A1
12	Hazel (clump) <i>Corylus avellana</i>	3	30 x 10	N 2 E 2 S 2 W2	0	SM	Multi stemmed at ground level	No works are deemed essential at this time	>40	B1
13	Rowan <i>Sorbus aucuparia</i>	3.5	100	N 2 E 2.5 S 1.5 W1	1	SM	Tree stake is still in situ but not attached to the tree-suckers around base-bark wounding noted-leans east and crown weighted east	Cut off the tree stake at ground level	30 - 40	B1
14	Flowering Cherry <i>Prunus avium</i>	2	70	N 1 E 1.5 S 2 W0	0.5	Y	Stunted and suppressed tree-poor quality overall-having an adverse impact on the Sweet Gum	Recommend removal for sound arboricultural management reasons	<10	U
15	Sweet Gum <i>Liquidambar styraciflua</i>	7	190	N 3 E 4 S 3 W3	0.5	SM	Leans east and crown weighted east-low branching habit	No works are deemed essential at this time	>40	A1
16	Meyers Juniper <i>Juniperus squamata</i>	4	190	N 2 E 2 S 2 W2	0.5	Y	Low branching habit	No works are deemed essential at this time	10 - 20	C1

17	Scots Pine <i>Pinus sylvestris</i>	5	200	N 2.5 E 2.5 S 3 W4	1	SM	Low crown density and low vigour and vitality-low branching habit	Recommend removal for sound arboricultural management reasons	<10	U
18	Italian Cypress <i>Cupressus sempervirens</i>	6	100	N 0.3 E 0.3 S 0.3 W0.3	0	Y	Fair shape and form	No works are deemed essential at this time	>40	B1

3.2 A Tree Root Protection Schedule has been prepared in accordance with BS5837:2012 recommendations (see Plans BJH 01 & 02 at [appendix BH2](#))

Tree No.	Tree Species	Cat	Diam mm	BS5837:2012 Table D1 Radial Protect. Zone m	BS5837:2012 Table D1 Root Protect. Area m ²	Is An Offset Required To Cater For Existing Rooting Pattern Restrictions
1	Honey Locust <i>Gleditsia triacanthos</i>	B1	180	2.2	15	NO – free rooting to all directions
2	Common Beech <i>Fagus sylvatica</i>	B1	200	2.4	18	NO – free rooting to all directions
3	Purple Crab <i>Malus purpurea</i>	A1	220 #	2.6	22	NO – free rooting to all directions
Group 1	Ornamental Crabs <i>Malus</i> spp.	C2	50	0.6	1	NO – free rooting to all directions
4	Purple Crab <i>Malus purpurea</i>	B1	90	1.1	4	NO – free rooting to all directions
5	Flowering Cherry <i>Prunus avium</i>	B1	120	1.4	7	NO – free rooting to all directions
6	Purple Crab <i>Malus purpurea</i>	B1	70	0.9	3	NO – free rooting to all directions
7	Italian Cypress <i>Cupressus sempervirens</i>	B1	140	1.7	9	NO – free rooting to all directions
Group 2	English Yews <i>Taxus baccata</i> x 2 of	A2	100 x 4	2.4	18	NO – free rooting to all directions

8	Tibetan Cherry <i>Prunus serrula</i>	B1	80	1.0	3	NO – free rooting to all directions
9	Tibetan Cherry <i>Prunus serrula</i>	A1	75	0.9	3	NO – free rooting to all directions
10	Holly <i>Ilex aquifolium</i>	A1	200	2.4	18	NO – free rooting to all directions
11	Weeping Birch <i>Betula pendula</i>	A1	190	2.3	16	NO – free rooting to all directions
12	Hazel (clump) <i>Corylus avellana</i>	B1	30 x 10	1.1	4	NO – free rooting to all directions
13	Rowan <i>Sorbus aucuparia</i>	B1	100	1.2	5	NO – free rooting to all directions
14	Flowering Cherry <i>Prunus avium</i>	U	70	0.9	3	NO – free rooting to all directions
15	Sweet Gum <i>Liquidambar styraciflua</i>	A1	190	2.3	16	NO – free rooting to all directions
16	Meyers Juniper <i>Juniperus squamata</i>	C1	190	2.3	16	NO – free rooting to all directions
17	Scots Pine <i>Pinus sylvestris</i>	U	200	2.4	18	NO – free rooting to all directions
18	Italian Cypress <i>Cupressus sempervirens</i>	B1	100	1.2	5	NO – free rooting to all directions

4.0 IMPACT ASSESSMENT & TREE PROTECTION MEASURES RECOMMENDED

4.1 The finalised planning layout drawing has been provided to me and an assessment made as to the viability of retaining trees as part of this layout in order that they meet the RPA requirements of BS5837 - the data is presented here in tabular format:-

Key: **NO-RSAM** = Remove for sound arboricultural management reasons **NO-RTFD** = Remove to facilitate development **UF** = under footprint of proposed development
YES = Yes can be retained and fully protected **YES (1)** = Yes can be retained subject to mitigation measures being applied

Tree No	Species	Cat	Stem Diam mm	BS5837:2012 Radial Protection Area m	BS5837:2012 Table D1 Root Protect. Area m ²	Distance from Site Features (see key above)	Can Tree Be Retained
1	Honey Locust <i>Gleditsia triacanthos</i>	B1	180	2.2	15	1.4m to new driveway	YES (1)
2	Common Beech <i>Fagus sylvatica</i>	B1	200	2.4	18	1.6m to new driveway	YES (1)
3	Purple Crab <i>Malus purpurea</i>	A1	220 #	2.6	22	6m to new driveway	YES
Group 1	Ornamental Crabs <i>Malus</i> spp.	C2	50	0.6	1	4.6m to new driveway	YES
4	Purple Crab <i>Malus purpurea</i>	B1	90	1.1	4	6.9m to new driveway	YES
5	Flowering Cherry <i>Prunus avium</i>	B1	120	1.4	7	12m to new driveway	YES
6	Purple Crab <i>Malus purpurea</i>	B1	70	0.9	3	11.3m to new driveway	YES
7	Italian Cypress <i>Cupressus sempervirens</i>	B1	140	1.7	9	14.4m to new driveway	YES
Group 2	English Yews <i>Taxus baccata</i> x 2 of	A2	100 x 4	2.4	18	12.3m to new driveway 8.2m to new building	YES

Tree No	Species	Cat	Stem Diam mm	BS5837:2012 Radial Protection Area m	BS5837:2012 Table D1 Root Protect. Area m ²	Distance from Site Features (see key above)	Can Tree Be Retained
8	Tibetan Cherry <i>Prunus serrula</i>	B1	80	1.0	3	12m to new dwelling	YES
9	Tibetan Cherry <i>Prunus serrula</i>	A1	75	0.9	3	15.6m to new dwelling	YES
10	Holly <i>Ilex aquifolium</i>	A1	200	2.4	18	15.8m to new dwelling	YES
11	Weeping Birch <i>Betula pendula</i>	A1	190	2.3	16	14.3m to new dwelling	YES
12	Hazel (clump) <i>Corylus avellana</i>	B1	30 x 10	1.1	4	11.5m to new dwelling	YES
13	Rowan <i>Sorbus aucuparia</i>	B1	100	1.2	5	3.6m to new garage block	YES
14	Flowering Cherry <i>Prunus avium</i>	U	70	0.9	3	1.8m to new garage block	NO-RSAM
15	Sweet Gum <i>Liquidambar styraciflua</i>	A1	190	2.3	16	4m to new garage block	YES
16	Meyers Juniper <i>Juniperus squamata</i>	C1	190	2.3	16	2.2m to new driveway	YES (1)
17	Scots Pine <i>Pinus sylvestris</i>	U	200	2.4	18	0.8m to new driveway 10.6m to new dwelling	NO-RSAM
18	Italian Cypress <i>Cupressus sempervirens</i>	B1	100	1.2	5	1.2m to new driveway	YES

4.2 SUMMARY

	YES Can be retained and fully protected in accordance with BS5837 recommendations - see Tree Protection Plan BJH.03/04 at appendix BH3	YES (1) Can be retained and protected in accordance with BS5837 recommendations (see Tree Protection Plan BJH.03/04 at appendix BH3) - subject to adherence to the methodology prescribed in this report – see Section 6 for full details.	NO-RTFD Recommended for removal in order to facilitate development proposals	NO-RSAM Recommended for removal on sound arboricultural management grounds [health and safety grounds] regardless of any redevelopment proposals
A	3 Crab; 9 Tibetan Cherry; 10 Holly; 11 Weeping Birch & 15 Sweet Gum + Grp2 Yews	-	-	-
B	4 Purple Crab; 5 Cherry; 6 Purple Crab; 7 Italian Cypress; 8 Tibetan Cherry; 12 Hazel; 13 Rowan & 18 Italian Cypress	1 Honey Locust & 2 Beech	-	-
C	Grp1 Crab Apples	16 Meyers Juniper	-	
U	-	-	-	17 Scots Pine & 14 Cherry

- 4.3 Five (5) high A graded trees and one high A Graded group will be retained and fully respected with protective fencing to BS5837 recommendations erected to enclose them during development works.
- 4.4 Eight (8) moderate B graded trees and one low C graded group will be retained and fully respected with protective fencing to BS5837 recommendations erected to enclose them during development works.
- 4.5 **T1 Honey Locust** and **T2 Beech** are both young trees positioned to the right of the entrance point to the site – there will be minor ground disturbance resulting from the formation of the new permeable block paved driveway and forming the bases for the Bin Store but these trees are young and more than capable of coping with this. Full details of the methodology for construction is provided at Section 6.6.
- 4.6 **T16 Meyers Juniper** this tree is of low C grading - there will be minor ground disturbance (100mm max intrusion) resulting from the formation of the new permeable block paved driveway – this tree is more than capable of coping with this. Full details of the methodology for construction is provided at Section 6.6.

- 4.7 **T14 Cherry** – a poor quality stunted tree of U fell grading which is having an adverse impact on the more valuable Sweet Gum behind it - will be removed to benefit the growth of the Sweet Gum.
- 4.8 **T17 Scots Pine** - a poor quality tree of U fell grading which is in a state of terminal decline – will be removed and a replacement tree planted in its place

5.0 RECOMMENDED TREE WORKS

No	Species	Tree Works Recommended
1	Honey Locust <i>Gleditsia triacanthos</i>	Lightly crown lift and tip back on the west side where it overhangs the new driveway
2	Common Beech <i>Fagus sylvatica</i>	Lightly crown lift and tip back on the west side where it overhangs the new driveway
3	Purple Crab <i>Malus purpurea</i>	No works are deemed necessary at this time
Group 1	Ornamental Crabs <i>Malus</i> spp.	No works are deemed necessary at this time
4	Purple Crab <i>Malus purpurea</i>	No works are deemed necessary at this time
5	Flowering Cherry <i>Prunus avium</i>	No works are deemed necessary at this time
6	Purple Crab <i>Malus purpurea</i>	No works are deemed necessary at this time
7	Italian Cypress <i>Cupressus sempervirens</i>	No works are deemed necessary at this time
Group 2	English Yews <i>Taxus baccata</i> x 2 of	No works are deemed necessary at this time
8	Tibetan Cherry <i>Prunus serrula</i>	No works are deemed necessary at this time

9	Tibetan Cherry <i>Prunus serrula</i>	No works are deemed necessary at this time
10	Holly <i>Ilex aquifolium</i>	Lightly crown lift to clear above the brick boundary wall [where it currently rests]
11	Weeping Birch <i>Betula pendula</i>	No works are deemed necessary at this time
12	Hazel (clump) <i>Corylus avellana</i>	No works are deemed necessary at this time
13	Rowan <i>Sorbus aucuparia</i>	No works are deemed necessary at this time
14	Flowering Cherry <i>Prunus avium</i>	- Fell to ground level - Grub out the stump and primary root runs
15	Sweet Gum <i>Liquidambar styraciflua</i>	No works are deemed necessary at this time
16	Meyers Juniper <i>Juniperus squamata</i>	No works are deemed necessary at this time
17	Scots Pine <i>Pinus sylvestris</i>	- Fell to ground level - Grub out the stump and primary root runs
18	Italian Cypress <i>Cupressus sempervirens</i>	No works are deemed necessary at this time

6.0 METHOD STATEMENT

Generic

- 6.1 All of the recommended tree works should be undertaken by an approved and experienced tree contractor prior to any construction contractors commencing works on site.
- 6.2 Erect the protective fencing as specified and shown on the **Tree Protection Plan BJH03/04** at [appendix BH3](#). Barriers are to be 'Fit For Purpose' to exclude construction activity and must be maintained to ensure that they remain rigid and complete and in the original setting out positions. These

checks will need to be incorporated into a schedule of site monitoring visits to be agreed with the clients subject to phased development operations and subsequently copies of these site visit reports will need to be copied in to the Council.

- 6.3 A copy of the Tree Protection Plan is to be pinned up in the offices/mess hut on site for all site staff to see. The area within the fenced off exclusion zone is to be regarded as **sacrosanct** and the fencing shall not be taken down or relocated at any time without the prior written approval of the monitoring arboriculturist or local authority tree officer, unless this has already been agreed as part of the planning application consent process and is detailed in writing and shown on a plan.

The following prohibitions shall apply within the area enclosed by the Tree Protection Fencing [**Construction Exclusion Zone**]:-

- **No** mechanical digging or scraping once the initial ground cover vegetation has been cleared and the site fenced off.
- **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

- 6.4 All site works storage areas and compounds/welfare units/toilet blocks and any mixing areas will be located outside of and well clear of retained trees.

- 6.5 All Utility Service connections have already been made to the south of trees 1 & 18.

Site Specific

Trees 1 Honey Locust & Tree 2 Beech - Proposed New Access Drive

- There is minimal overhang of the RPA so there will be a requirement to apply mitigation measures in order to comply with BS5837 recommendations and give the trees the best level of protection to ensure their safe and healthy retention.
- Both trees are young and vigorous and will tolerate some ground disturbance without this resulting in dieback or demise and will readily put back any fibrous root that is removed at this time.
- ‘Hand Dig’ [with forks only] along the edge of the new driveway and cleanly sever any fibrous roots that are teased out – using sharp bypass secateurs.

6.7 **Trees 1 Honey Locust & Tree 2 Beech - Proposal To Site Bin Store**

- It is likely to be only a light loading supported on paving slabs but this will be within the RPA's of both trees and therefore must either be constructed on 'No Dig' principles or alternatively re-positioned to the northwest outside the RPA of T2.

6.8 **Tree 16 Meyers Cypress - Proposed New Access Drive**

- There is very minimal (100mm maximum) overhang of the RPA so there will be a requirement to apply mitigation measures in order to comply with BS5837 recommendations and give the trees the best level of protection to ensure their safe and healthy retention.
- Both trees are young and vigorous and will tolerate some ground disturbance without this resulting in dieback or demise and will readily put back any fibrous root that is removed at this time.
- 'Hand Dig' [with forks only] along the edge of the new driveway and cleanly sever any fibrous roots that are teased out – using sharp bypass secateurs.

7.0 **SITE MONITORING & SUPERVISION**

BS5837 recommends that wherever trees on or adjacent to a site have been identified on the Tree Protection Plan as requiring special protection measures, there should be an auditable system of arboricultural site monitoring. This should extend to direct arboricultural monitoring whenever demolition/construction and development activity is to take place within or adjacent to any RPA.

- 7.1 A Pre-commencement site meeting is to take place between the development teams arboricultural consultant and the site manager and client representative where the tree protection measures will be inspected to verify that they are 'Fit For Purpose' and have been installed as shown on the

Tree Protection Plan.

- 7.2 There will be a need for one further site visit to monitor the 'Hand Digging' works adjacent to Trees 1; 2 & 16.
- 7.3 Nevertheless lines of communication will be established with the Site Manager and a development team contact sheet prepared and circulated so that in the event that an incident occurs involving the retained trees that requires urgent advice and guidance from the project Arboricultural Expert this can be readily organised.

- 7.4 The details of the PCSM works and any subsequent requirement for site monitoring visits will be photographed by the Arb Expert and the following reporting procedure will be adopted. This is an example of the format for the **Site Monitoring Schedule** that would be prepared. :-

Schedule Of Site Monitoring & Supervision for – land beside Saxted House, Tower Street, Emsworth

- In accordance with the Arboricultural Method Statement Report - 1119.bjh.Apr20 & Tree Protection Plan – BJH 03/04

Date of Inspection	Item	In Attendance	Notes/Observations From Inspection	Details Of Any Follow Up Action Required
tba	Pre-Commencement Meeting	Project Arb Consultant & Site Construction Manager	A joint site inspection was conducted and agreement reached that the protection measures are in place and that everyone understands their responsibilities in respect of protecting the trees.	
tba	Hand Digging Works	Project Arb Consultant & Site Construction Manager	A joint site inspection was conducted	

8.0 CONCLUSIONS

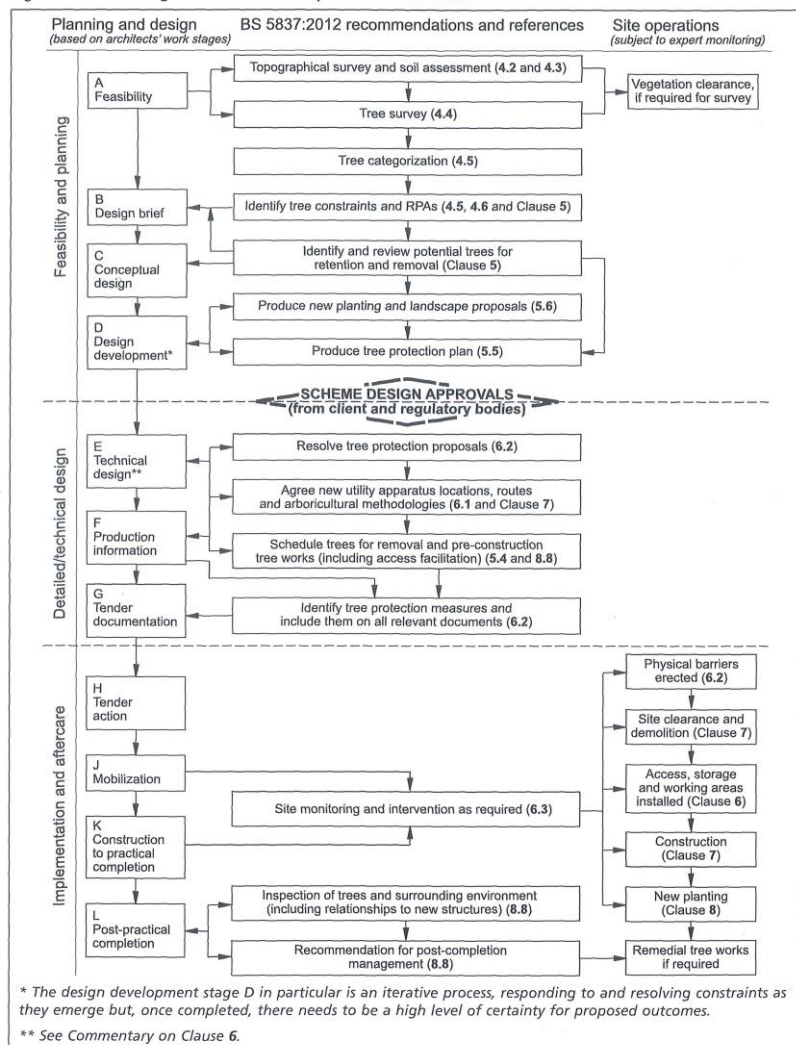
- Two of the 18 trees & 2 Groups surveyed will be removed for sound arboricultural management reasons regardless of any redevelopment proposals :-
T14 Cherry [U] – a poor quality tree that is hampering the growth of the Sweet Gum.
T17 Scots Pine [U] – showing signs of significant low crown density with a lot of dieback and in a state of terminal decline with a short life expectancy.
 - The loss of both trees will be more than mitigated by the planting of new trees of quality on completion of construction works.
- Work will be taking place marginally within the RPA's of **Trees 1 and 2 and 16** therefore mitigation measures have been advocated to ensure that these trees survive this work with the minimum of root disturbance necessary and in an overall safe and healthy condition.
- Provided that the above methodology is strictly adhered to in the carefully considered and phased manner proposed then I would not foresee any detrimental impact taking place that might undermine the ongoing health and stability or visual amenity value of the retained trees.



BH 1

Figure 1 - Flow Diagram
& Tree Survey Notes

Figure 1 The design and construction process and tree care



TREE SURVEY NOTES

These Tree Survey Notes have been prepared in accordance with the recommendations of **British Standard 5837:2012** and they define the criteria for pre –development tree surveys.

- Each tree/group/hedge/shelterbelt/woodland has been allocated a unique number (**No.**), where specifically requested and appropriate fees are agreed small durable numbered metal tags can be applied to each tree/group surveyed.
- The tree species (**Species**) is provided in both English and Latin name formats.
- Height assessments (**Ht**) are estimated in metres. This will be adequate for the majority of cases, but where accurate heights become a critical issue it may be necessary to return to site, as a separately commissioned exercise, to collect accurate measurements with the aid of optical instruments.
- Trunk/stem diameters (**Diam**) are measured in millimetres **at 1.5m above ground level** – where the tree is inaccessible the diameter is estimated as indicated by suffix #
- Radial crown spread assessments (**Brch Sprd**) are estimated in metres from the centre of the trunk/group to each of the four primary points of the compass (**N**-north; **E**-east; **S**-south and **W**-west) in order to achieve a representation of the crown shape which will be shown on the accompanying tree survey plan. These provide a general guide as to the main bulk outline of a tree/groups crown but **are not tape measured dimensions**. These would only be undertaken as part of a separately commissioned exercise, where precise dimensions are critical to the project at hand.
- Both the canopy ground clearance (**GC**) and the height & compass direction of the lowest major branch (**LMB**) are estimated and shown in metres
- An assessment of a tree/groups 'life stage' (**LS**) is made in terms of its site specific maturity as part of the surrounding landscape, taking into account its overall shape and form in that setting, and is recorded thus :-
Y - Young tree/group; **SM** - Semi-Mature tree/group; **EM** - Early-Mature tree/group;
M – Mature tree/group; **OM** - Over – mature tree/group
- Data on the structural condition (**Condition Comments**) of the tree/group is provided to give its visual appearance and any significant health and safety issues.
- Details of any recommended tree works required at the time of survey is given under the heading – **Preliminary Management Recommendations**.
- An estimate of a tree/groups remaining contribution in years (**RC**) is made and is recorded thus :-
0-5; 5-10; 10-20; 20-30; 30-40 or **>40** years.
- The category grading (**Cat**) for each tree/group is assessed according to the criteria provided within **BS5837:2012**. The assessment is made of the tree/group in its current condition and within the environment encountered bearing in mind its suitability for retention as part of any future proposed

development; although the exact layout detail of any specific scheme will not be known at the time of surveying. The trees have been classified into one of four categories and colour coded as BS5837 recommends :- **U** (dark red); **A** (light green); **B** (mid-blue) and **C** (grey). Please note that suffixed numerical sub-categories are also applied for guidance only and do not carry any cumulative or increased value for the tree/group. This colour coding scheme will be applied to all drawings provided.

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria			Colour on plan
Trees unsuitable for retention				
Category 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 category U 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.			Dark Red
Trees to be considered for retention				
	Criteria – Subcategories			
	1	2	3	
Category A Trees 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 those that are essential components of groups or 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)	Light Green
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in the 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 value	Mid Blue
Category C Trees 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	Grey



BH 2

Tree Survey & Root Protection Plans

BJH 01/02

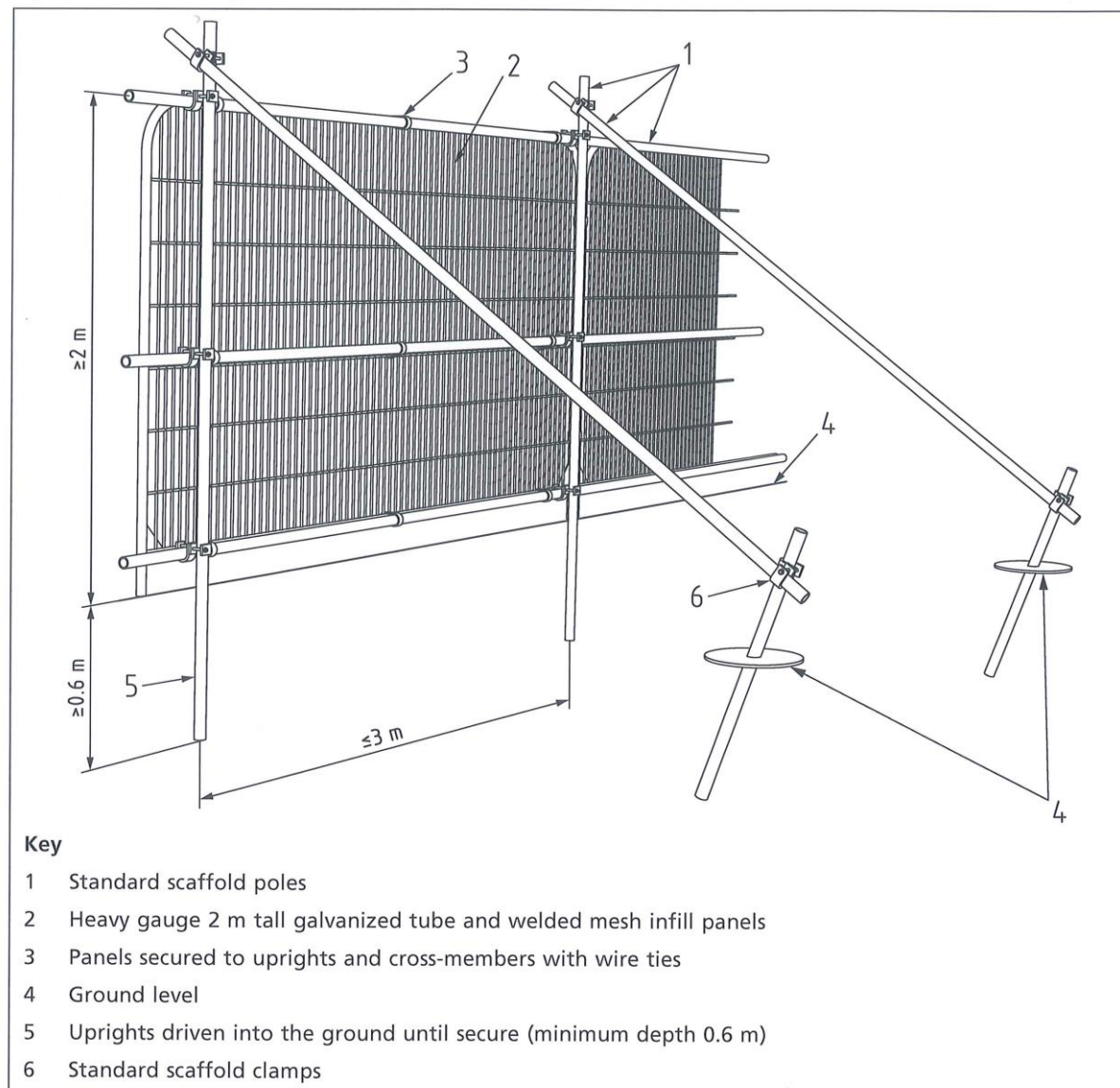


BH 3

Tree Protection Plans BJH 03/04

+ BS5837:2012 – Figure 2

Figure 2 Default specification for protective barrier





BH 4

Qualifications & Experience



QUALIFICATIONS AND EXPERIENCE

- My name is Bernie Harverson and I am a self employed independent arboricultural consultant in private practice. I take instructions primarily in the South of England but also on occasions work nationwide and abroad and have offices at : –

The Granary, White Chimney Row, Westbourne PO10 8RS

- I hold the following arboricultural qualification – **National Diploma in Arboriculture (Royal Forestry Society – 1976)**
- I have **fifty (50)** years of practical and managerial experience in the arboricultural industry including periods in both the public and private sectors.
- My Local Government sector experience comprises one year as a tree surgeon with Brighton Parks and nine years spent in Arboricultural Officer posts with both Westminster City Council and Portsmouth City Council.
- My past practical experience in the private sector includes two years at Tilhill Forest Nursery and over ten years for various companies as a Climbing Arborist/Tree Surgeon.
- Managerial work in the private sector includes two years as manager of Beechings Tree Surgeons and twelve years with CBA Trees as Managing Director & Senior Arboricultural Consultant.
- As an independent self employed Arboricultural Consultant I now provide a comprehensive range of services including :-
tree surveys, appraisals, assessments and inspections with particular reference to planning and development and tree safety audits with a service offered as a climber to undertake full climbing inspections to better understand the condition of a given tree before prescribing a management strategy.
- I also undertake litigation work appearing as an Expert Witness in Court Actions and at Planning Appeals, Hearings and Public Local Inquiries.

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