



## **ARBORICULTURAL IMPACT ASSESSMENT**

**Marble Hill Play Centre, Marble Hill Park, Twickenham**

*- prepared on behalf of Terra Firma Consultancy -*

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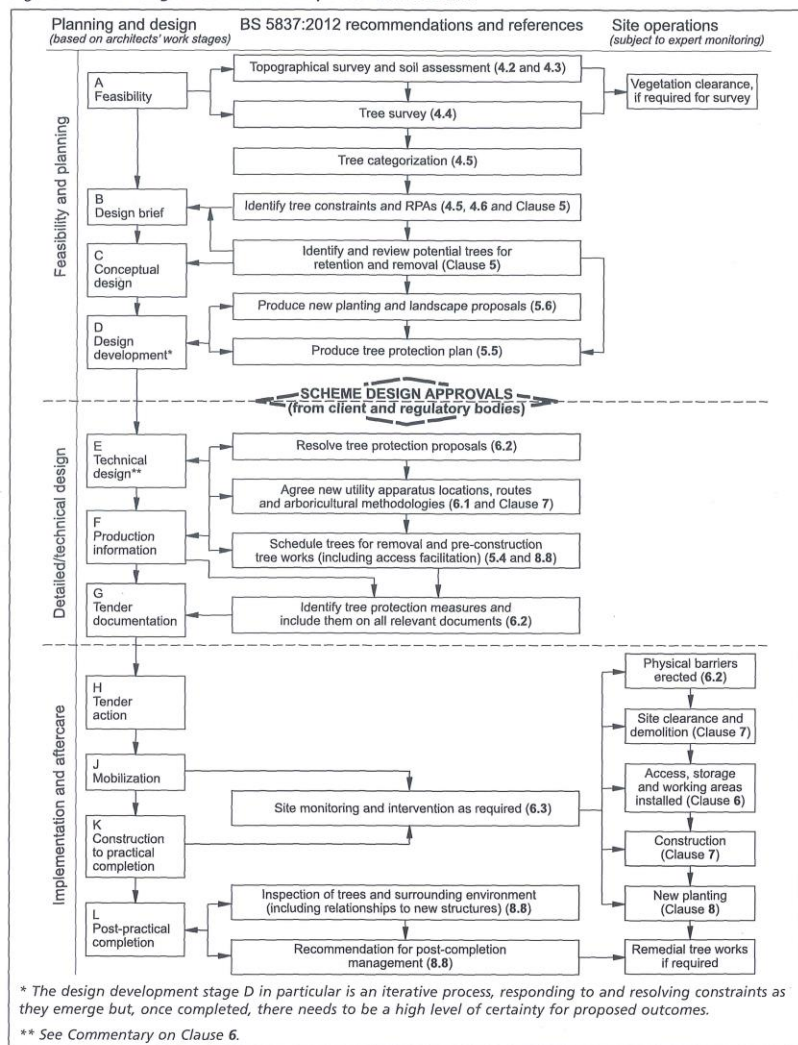


# Tree Survey Schedule

+ T/S Notes & BS5837 Flow Diagram

## TREE SURVEY NOTES

Figure 1 The design and construction process and tree care



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 **G** (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
<b>Trees unsuitable for retention</b>				
<b>Category U</b> 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.	<ul style="list-style-type: none"> <li>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)</li> <li>Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li> <li>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</li> </ul> NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve.			<b>Dark Red</b>
<b>Trees to be considered for retention</b>				
<b>Criteria – Subcategories</b>				
<div style="display: flex; justify-content: space-between;"> <span><b>1</b></span> <span><b>2</b></span> <span><b>3</b></span> </div>				
<b>Category A</b> <b>Trees of high quality</b> 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)	<b>Light Green</b>
<b>Category B</b> <b>Trees of moderate quality</b> 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	<b>Mid Blue</b>
<b>Category C</b> <b>Trees of low quality</b> 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	<b>Grey</b>



**TREE SURVEY SCHEDULE**

**Client :** Terra Firma Consultancy

**Site Location :** Marble Hill Play Centre, Marble Hill Park, Twickenham

**Surveyor :** Bernie Harverson

**Date Surveyed :** 24th July 2019

Tree No.	Species	Ht m	Diam mm	Brch Sprd m	GC m	LS	Comments	Preliminary Management Recommendations	Rem Con yrs	Cat
1	Broad Leaved Lime <i>Tilia platyphyllos</i>	16	600	N 4 E 4 S 4 W4	3	M	Ivy smothering base and trunk-previously heavily topped out-crown composed entirely of regrowth	Remove ivy	30-40	C1
2	Holm Oak <i>Quercus ilex</i>	12	350 250	N 6 E 6 S 6 W6	1	SM	Bifurcated 0.5m above ground level-low branching habit	Crown lift if necessary to clear car park and play equipment	>40	B1
Group 1	Elderberry <i>Sambucus nigra</i> x 2 of	4	Av 150	N 1 E 4 S 1 W1	1.5	Y	Suppressed-crown weighted east-self sown trees	No work required at time of survey	10-20	C2
3	Elderberry <i>Sambucus nigra</i>	5	180 x 2 120 x 5	N 5 E 5 S 3.5 W2.5	1.5	EM	Multi stemmed at ground level-leans east-suppressed-crown weighted east	Crown lift if necessary to clear car park and play equipment	20-30	C1
4	Hornbeam <i>Carpinus betulus</i>	4.5	400	N 0 E 2 S 2 W1	1.5	EM	Has been cut down to leave a 4.5m stump with a few truncated limbs with wispy regrowth on them	Consider removal	<10	U
5	Purple Beech <i>Fagus sylvatica 'purpurea'</i>	14	680	N 8 E 8 S 8 W8	1	M	Roots exposed-ground compacted around base of tree-low branching habit to west side	Crown lift if necessary to clear car park and play equipment	>40	A1
6	Red Oak <i>Quercus rubra</i>	16	420	N 6 E 5 S 8 W8	4	M	Bifurcated in upper reaches-open form with no central leader-suppressed to north and east-crown shape dictated by group pressure-merged crowns-low vigour and vitality-branch tip dieback throughout-epicormic response on trunk and through branch work-small and major deadwood throughout-previously reduced and reshaped probably as a result of previous dieback-the tree is struggling	Remove deadwood and stubs for safety reasons-and monitor annually for safety reasons	20-30	C1

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7	Purple Sycamore <i>Acer pseudoplatanus</i> 'Purpureum'	16	510	N 7 E 7 S 7 W5	3	M	Multi stemmed 4m above ground level-suppressed-crown shape dictated by group pressure-major deadwood and stubs-low branching habit on east side	Remove deadwood and stubs for safety reasons	>40	B1
8	Common Sycamore <i>Acer pseudoplatanus</i>	20	950	N 8 E 8 S 8 W8	3	M	Major deadwood and stubs-good shape and form	Remove deadwood and stubs for safety reasons	>40	A1
9	Horse Chestnut <i>Aesculus hippocastanum</i>	19	1000	N 8 E 6 S 8 W6	5	M	Epicormics throughout down to ground level	No work required at time of survey	>40	B1
10	Horse Chestnut <i>Aesculus hippocastanum</i>	19	950	N 10 E 11 S 11 W6	4	M	Previously crown lifted-previously heavily reduced and reshaped-good shape and form	No work required at time of survey	>40	A1
11	Horse Chestnut <i>Aesculus hippocastanum</i>	17	870	N 10 E 9 S 11 W7	4	M	Cavities in old pruning wounds on main trunk-previously heavily reduced and reshaped-good shape and form	No work required at time of survey	>40	A1
12	Corsican Pine <i>Pinus nigra</i> 'Calbrica'	17	410	N 5 E 5 S 3 W2.5	6	M	Small diameter deadwood-fair shape and form	No work required at time of survey	30-40	B1
13	Corsican Pine <i>Pinus nigra</i> 'Calbrica'	18	600	N 6 E 3 S 6 W7	6	M	Small diameter deadwood-fair shape and form	No work required at time of survey	30-40	B1
14	Common Sycamore <i>Acer pseudoplatanus</i>	18	580	N 8 E 10 S 8 W4	3	M	Suppressed to west side-low crown density-dieback-major deadwood and stubs	Remove deadwood and stubs for safety reasons	20-30	C1
Group 2	Ash ( <i>Fraxinus</i> ) Persian Ironwood ( <i>Parrotia</i> ) Blue Cedar ( <i>Cedrus</i> )	8	200 to 330	N - E - S - W-	1	SM	Crown shape dictated by group pressure-merged crowns-ornamental grouping-fair shape and form	No work required at time of survey	>40	B2
15	Horse Chestnut <i>Aesculus hippocastanum</i>	16	950	N 10 E 10 S 5 W8	4	M	Suppressed to the south-crown shape dictated by group pressure-merged crowns-significant dieback over play centre-small and large diameter deadwood-low branching habit-weep points indicative of Bleeding Chestnut Canker	Remove deadwood and stubs for safety reasons	>40	B1
16	Horse Chestnut <i>Aesculus hippocastanum</i>	16	1080	N 4 E 10 S 11 W9	3	M	Multi stemmed at 2m above ground level-suppressed to the north-crown shape dictated by group pressure-merged crowns-major deadwood and stubs-previously reduced and reshaped-weep points indicative of Bleeding Chestnut Canker	Remove deadwood and stubs for safety reasons	>40	B1

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17	Sweet Chestnut <i>Castanea sativa</i>	5	230	N 3.5 E 3.5 S 3.5 W3.5	1	Y	Low branching habit-good shape and form	No work required at time of survey	>40	A1
18	Hornbeam <i>Carpinus betulus</i>	5	170	N 2.5 E 2.5 S 2.5 W2.5	0	Y	Low branching habit-good shape and form	No work required at time of survey	>40	A1
19	Walnut <i>Juglans regia</i>	10	460	N 8 E 6 S 6 W6	1.5	EM	Low branching habit-good shape and form	No work required at time of survey	>40	A1
20	Common Lime <i>Tilia europaea</i>	16	640	N 8 E 8 S 8 W8	2	EM	Roots exposed and mower damaged-compacted ground-low branching habit over play centre and foot path	No work required at time of survey	>40	A1
21	Hornbeam <i>Carpinus betulus</i>	4.5	170	N 3.5 E 3.5 S 3.5 W3.5	0	Y	Fair shape and form	No work required at time of survey	>40	B1
22	Common Lime <i>Tilia europaea</i>	15	550	N 5 E 7 S 7 W3	3	EM	Epicormics throughout-suppressed west side-crown shape dictated by group pressure-merged crowns with partner Lime to the west side-major deadwood and stubs-previously reduced and reshaped	Remove deadwood and stubs for safety reasons	>40	B1
23	Crab Apple <i>Malus spp.</i>	3	90	N 1 E 1.5 S 1.5 W0.5	1.5	Y	Suppressed and dominated by the Holm Oak	Consider removal to benefit Holm Oak	10-20	C1
24	Crab Apple <i>Malus spp.</i>	3	220	N 5 E 1 S 1 W3	1.5	Y	Suppressed and dominated by the Holm Oak	Consider removal to benefit Holm Oak	10-20	C1
25	Crab Apple <i>Malus spp.</i>	4.5	230	N 3 E 4 S 3 W4	0	Y	Epicormics-low branching habit overhanging fence line to east side	Prune to clear play centre	20-30	B1
26	Crab Apple <i>Malus spp.</i>	3	180	N 2 E 3 S 3 W3	1	Y	Low branching habit overhanging fence line to east side	Prune to clear play centre	20-30	B1



# Root Protection Area Schedule

+ BS5837 RPA Calculation Methodology



## 4.6 Root Protection Area (RPA)

**4.6.1** For single stem trees, the RPA should be calculated as an area equivalent to a circle with a radius 12 times the stem diameter measured at a height of 1.5m from ground level.

For trees with more than one stem, one of two calculation methods should be used as illustrated and explained below.

a) For trees with 2 to 5 stems, the combined stem diameter should be calculated as follows:

$$\sqrt{(\text{stem diameter } 1)^2 + (\text{stem diameter } 2)^2 \dots \text{ up to } + (\text{stem diameter } 5)^2}$$

**In words** - measure the diameter of each of the stems – square each one and add it to the next - finally assess the square root of the combined total to derive one measurement which you look up in Table D.1 to find the radial RPA and area measurement equivalent to the area of a circle with that radius - in case you have to apply a polygon protection zone [see at 4.6.2 below].

The calculated RPA for each tree is to be capped at 707 m<sup>2</sup>

b) For trees with more than five stems the combined stem diameter should be calculated as follows:

$$\sqrt{(\text{mean stem diameter})^2 \times \text{the total number of stems}}$$

**In words** – measure all of the stem diameters – add them all together and divide by the total number of stems (= mean stem diameter) – then square this figure – then multiply that figure by the total number of stems and then finally assess the square root of that figure to derive one measurement which you look up in Table D.1 to find the radial RPA and area measurement equivalent to the area of a circle with that radius - in case you have to apply a polygon protection zone [see at 4.6.2 below].

**4.6.2** The RPA for each tree should initially be plotted as a circle centred on the accurate position of the trunk of the tree. Where pre-existing site conditions or other factors indicate that rooting has occurred asymmetrically, a polygon of equivalent area to the circle should be plotted instead of the circle. Modifications to the shape of the RPA should reflect a soundly based arboricultural assessment of likely root distribution.

**4.6.3** Any deviation in the RPA from the original circular plot should take account of the following factors whilst still providing adequate protection for the root system:

- the morphology and disposition of the roots, when influenced by past or existing site conditions (e.g. the presence of roads, structures and underground apparatus);
- topography and drainage;
- the soil type and structure;
- the likely tolerance of the tree to root disturbance or damage, based on factors such as species, age, condition and past management.

### Root Protection Area – Table D1

The RPA's given in Table D.1 should be used for single stem trees and the equivalent resultant combined stem diameter for multi-stemmed trees

Stem Diam. mm	Circle Rad. m	Area m <sup>2</sup>	Stem Diam. mm	Circle Rad. m	Area m <sup>2</sup>	Stem Diam. mm	Circle Rad. m	Area m <sup>2</sup>	Stem Diam. mm	Circle Rad. m	Area m <sup>2</sup>	Stem Diam. mm	Circle Rad. m	Area m <sup>2</sup>
75	0.9	3	310	3.7	43	545	6.5	134	780	9.4	275	1015	12.2	466
80	1.0	3	315	3.8	45	550	6.6	137	785	9.4	279	1020	12.2	471
85	1.0	3	320	3.8	46	555	6.7	139	790	9.5	282	1025	12.3	475
90	1.1	4	325	3.9	48	560	6.7	142	795	9.5	286	1030	12.4	480
95	1.1	4	330	4.0	49	565	6.8	144	800	9.6	290	1035	12.4	485
100	1.2	5	335	4.0	51	570	6.8	147	805	9.7	293	1040	12.5	490
105	1.3	5	340	4.1	52	575	6.9	150	810	9.7	297	1045	12.5	494
110	1.3	5	345	4.1	54	580	7.0	152	815	9.8	301	1050	12.6	499
115	1.4	6	350	4.2	55	585	7.0	155	820	9.8	304	1055	12.7	504
120	1.4	7	355	4.3	57	590	7.1	157	825	9.9	308	1060	12.7	508
125	1.5	7	360	4.3	59	595	7.1	160	830	10.0	312	1065	12.8	513
130	1.6	8	365	4.4	60	600	7.2	163	835	10.0	315	1070	12.8	518
135	1.6	8	370	4.4	62	605	7.3	166	840	10.1	319	1075	12.9	523
140	1.7	9	375	4.5	64	610	7.3	168	845	10.1	323	1080	13.0	528
145	1.7	10	380	4.6	65	615	7.4	171	850	10.2	327	1085	13.0	533
150	1.8	10	385	4.6	67	620	7.4	174	855	10.3	331	1090	13.1	538
155	1.9	11	390	4.7	69	625	7.5	177	860	10.3	335	1095	13.1	542
160	1.9	12	395	4.7	71	630	7.6	180	865	10.4	339	1100	13.2	547
165	2.0	12	400	4.8	72	635	7.6	182	870	10.4	342	1105	13.3	552
170	2.0	13	405	4.9	74	640	7.7	185	875	10.5	346	1110	13.3	557
175	2.1	14	410	4.9	76	645	7.7	188	880	10.6	350	1115	13.4	562
180	2.2	15	415	5.0	78	650	7.8	191	885	10.6	354	1120	13.4	568
185	2.2	16	420	5.0	80	655	7.9	194	890	10.7	358	1125	13.5	573
190	2.3	16	425	5.1	82	660	7.9	197	895	10.7	362	1130	13.6	578
195	2.3	17	430	5.2	84	665	8.0	200	900	10.8	366	1135	13.6	583
200	2.4	18	435	5.2	86	670	8.0	203	905	10.9	371	1140	13.7	588
205	2.5	19	440	5.3	88	675	8.1	206	910	10.9	375	1145	13.7	593
210	2.5	20	445	5.3	90	680	8.2	209	915	11.0	379	1150	13.8	598
215	2.6	21	450	5.4	92	685	8.2	212	920	11.0	383	1155	13.9	604
220	2.6	22	455	5.5	94	690	8.3	215	925	11.1	387	1160	13.9	609
225	2.7	23	460	5.5	96	695	8.3	219	930	11.2	391	1165	14.0	614
230	2.8	24	465	5.6	98	700	8.4	222	935	11.2	396	1170	14.0	619
235	2.8	25	470	5.6	100	705	8.5	225	940	11.3	400	1175	14.1	625
240	2.9	26	475	5.7	102	710	8.5	228	945	11.3	404	1180	14.2	630
245	2.9	27	480	5.8	104	715	8.6	231	950	11.4	408	1185	14.2	635
250	3.0	28	485	5.8	106	720	8.6	235	955	11.5	413	1190	14.3	641
255	3.1	29	490	5.9	109	725	8.7	238	960	11.5	417	1195	14.3	646
260	3.1	31	495	5.9	111	730	8.8	241	965	11.6	421	1200	14.4	652
265	3.2	32	500	6.0	113	735	8.8	244	970	11.6	426	1205	14.5	657
270	3.2	33	505	6.1	115	740	8.9	248	975	11.7	430	1210	14.5	662
275	3.3	34	510	6.1	118	745	9.0	251	980	11.8	435	1215	14.6	668
280	3.4	35	515	6.2	120	750	9.0	255	985	11.8	439	1220	14.6	673
285	3.4	37	520	6.2	122	755	9.1	258	990	11.9	443	1225	14.7	679
290	3.5	38	525	6.3	125	760	9.1	261	995	11.9	448	1230	14.8	685
295	3.5	39	530	6.4	127	765	9.2	265	1000	12.0	452	1235	14.8	690
300	3.6	41	535	6.4	130	770	9.2	268	1005	12.1	457	1240	14.9	696
305	3.7	42	540	6.5	132	775	9.3	272	1010	12.1	462	1245	14.9	701
												1250	15.0	707



**ROOT PROTECTION AREA SCHEDULE**

Client : **Terra Firma Consultancy**

Site Location : **Marble Hill Play Centre, Marble Hill Park, Twickenham**

Tree No	Tree Species	Cat	Diam mm	BS5837:2012 Table1 Radial Protection Zone m	BS5837:2012 Table D1 Polygon Area m <sup>2</sup>	Is An Offset Required To Cater For Existing Rooting Pattern Restrictions
1	Broad Leaved Lime <i>Tilia platyphyllos</i>	C1	600	7.2	163	NO – fairly free rooting to all directions
2	Holm Oak <i>Quercus ilex</i>	B1	350 250	5.2	84	NO – fairly free rooting to all directions
Group 1	Elderberry <i>Sambucus nigra</i> x 2 of	C2	Av 150	1.8	10	NO – fairly free rooting to all directions
3	Elderberry <i>Sambucus nigra</i>	C1	180 x 2 120 x 5	4.4	60	NO – fairly free rooting to all directions
4	Hornbeam <i>Carpinus betulus</i>	U	400	4.8	72	NO – fairly free rooting to all directions
5	Purple Beech <i>Fagus sylvatica 'purpurea'</i>	A1	680	8.2	209	NO – fairly free rooting to all directions
6	Red Oak <i>Quercus rubra</i>	C1	420	5.0	80	NO – fairly free rooting to all directions
7	Purple Sycamore <i>Acer pseudoplatanus</i> 'Purpureum'	B1	510	6.1	118	NO – fairly free rooting to all directions
8	Common Sycamore <i>Acer pseudoplatanus</i>	A1	950	11.4	408	NO – fairly free rooting to all directions

9	Horse Chestnut <i>Aesculus hippocastanum</i>	B1	1000	12.0	452	NO – fairly free rooting to all directions
10	Horse Chestnut <i>Aesculus hippocastanum</i>	A1	950	11.4	408	NO – fairly free rooting to all directions
11	Horse Chestnut <i>Aesculus hippocastanum</i>	A1	870	10.4	342	NO – fairly free rooting to all directions
12	Corsican Pine <i>Pinus nigra 'Calbrica'</i>	B1	410	4.9	76	NO – fairly free rooting to all directions
13	Corsican Pine <i>Pinus nigra 'Calbrica'</i>	B1	600	7.2	163	NO – fairly free rooting to all directions
14	Common Sycamore <i>Acer pseudoplatanus</i>	C1	580	7.0	152	NO – fairly free rooting to all directions
Group 2	Ash ( <i>Fraxinus</i> ) Persian Ironwood ( <i>Parrotia</i> ) Blue Cedar ( <i>Cedrus</i> )	B2	200 to 330	2.4 4.0	18 49	NO – fairly free rooting to all directions
15	Horse Chestnut <i>Aesculus hippocastanum</i>	B1	950	11.4	408	NO – fairly free rooting to all directions
16	Horse Chestnut <i>Aesculus hippocastanum</i>	B1	1080	13.0	528	NO – fairly free rooting to all directions
17	Sweet Chestnut <i>Castanea sativa</i>	A1	230	2.8	24	NO – fairly free rooting to all directions
18	Hornbeam <i>Carpinus betulus</i>	A1	170	2.0	13	NO – fairly free rooting to all directions

19	Walnut <i>Juglans regia</i>	A1	460	5.5	96	NO – fairly free rooting to all directions
20	Common Lime <i>Tilia europaea</i>	A1	640	7.7	185	NO – fairly free rooting to all directions
21	Hornbeam <i>Carpinus betulus</i>	B1	170	2.0	13	NO – fairly free rooting to all directions
22	Common Lime <i>Tilia europaea</i>	B1	550	6.6	137	NO – fairly free rooting to all directions
23	Crab Apple <i>Malus spp.</i>	C1	90	1.1	4	NO – fairly free rooting to all directions
24	Crab Apple <i>Malus spp.</i>	C1	220	2.6	22	NO – fairly free rooting to all directions
25	Crab Apple <i>Malus spp.</i>	B1	230	2.8	24	NO – fairly free rooting to all directions
26	Crab Apple <i>Malus spp.</i>	B1	180	2.2	15	NO – fairly free rooting to all directions



# Tree Location Plan



# 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 an office 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 **forty eight** 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 the CBA Tree Consultancy Practice as Managing Director and Senior Arboricultural Consultant.
- As an independent self employed Arboricultural Consultant [since 2005] 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 Local Inquiries.

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