aspect arboriculture

BS 5837:2012 Tree Schedule: Ashgrove Residential Home, Gresford, Wrexham

12014 TS 01

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BS5837:2012 Tree Survey: Explanation of Survey Criteria

*Area around tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of roots and soil structure is a priority. *The RPA has been manipulated to allow for various site features, i.e. roads, structures or changes in levels. Please refer to the Tree Constraints Plan for these changes.*

e.g.: young, semi-mature, early-mature, mature or over-mature

Sequential reference number cited on all aspect drawing.

Category prefix A-C denotes arboricultural quality, decreasing from A (high) to C (low); Subcategories 1, 2 and 3 highlight associated arboricultural (1), landscape (2) and ecological (3) qualities.

Height and Crown spread measured to the nearest half meter; # denotes where this is estimated.

Category U trees are those in such a condition that they cannot be realistically retained as living trees in the current context for the long term.

Tree Number	Common Species Name	Trunk Diameter (mm)	Height (m)	Crown Spread (m)					Crown Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments	BS5837 Category	RPA Radius (m)
				N	E	S	W	radial							

Measured to the nearest 10mm; # denotes estimated diameter where access is not possible.

e.g.: above-average, average, below average or dead

General observations, i.e. defects, preliminary management recommendation, presence of pests/disease, perceived significance.

Height of first significant branch and/or canopy

e.g.: good, indifferent, poor, or hazardous

Colour band key:

Category A
Category B
Category C
Category U

The following survey should not be interpreted as a report on tree health and safety. Aspect's opinion of tree condition and structural potential is valid for a limited period of 12 months from the date of inspection. Validity is assumed in the absence of inclement weather and no change to the trees existing setting.

Tree Number	Common Species Name	Trunk Diameter (mm)	Height (m)	Crown Spread (m) N	E	S	W	Radial	First Significant Branch (m)	Crown Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments	BS5837 Category	RPA Radius (m)
1	Horse Chestnut	990 oi	19	7#	4.75	7	6.75		4	2	Mature	Average	Indifferent	Clad and obscured by Ivy, unable to thoroughly inspect Previously crown lifted over road Split in scaffold limb to south at c.5m Overhead utilities pass through crown Prominent boundary feature Moderate example of species	B12	12
2	Lime	500#	17	6#	5.75	5	4.5		5	1.5	Early Mature	Average	Indifferent	Stem inaccessible due to dense basal growth, unable to thoroughly inspect Structure appears typical for species within current context Bifurcates at c.5m, union appears tight Minor dieback to upper crown Moderate example of species	B12	6
3	Yew	510 330 oi	15	5.5	5	6.5	4.5		2	0.5	Early Mature	Average	Indifferent	Clad and obscured by Ivy, unable to thoroughly inspect Sub dominant stem from ground level Dominant stem leans significantly to south Previous unsympathetic pruning to lower crown Individually of low significance, conferred moderate value as component of wider collective	B2	7.2
4	Holly	380 oi	12					3	3	1.75	Early Mature	Average	Indifferent	Clad and obscured by Ivy, unable to thoroughly inspect Situated on site boundary Structure appears typical for species within current context Unremarkable example of species	C1	4.5
5	Holly	380#	12					3	2	1.5	Early Mature	Average	Indifferent	Clad and obscured by Ivy, unable to thoroughly inspect Stem inaccessible due to dense lower crown Situated on site boundary Structure appears typical for species within current context Previously topped at c.4m Unremarkable example of species	C1	4.5
6	Horse Chestnut	840	17	7#	6.25	9.25	8.75		2.5	2	Mature	Average	Indifferent	Previously crown lifted over road Moderate example of species	B12	10.2
7	Horse Chestnut	500 520 oi	17	2.75	4.75	7	7.25		2.75	2	Early Mature	Average	Poor	Clad and obscured by Ivy, unable to thoroughly inspect Previously suppressed on eastern aspect by now felled companion Bifurcates at c.1.5m, union obscured by Ivy Unremarkable example of species	C1	9.3
8	Yew	390 405 oi	12	5	5.5	6.25	4.5		1.75	1.75	Early Mature	Average	Indifferent	Base clad in Ivy, unable to thoroughly inspect Bifurcates at c.0.5m, union obscured by Ivy Moderate example of species	B1	6.6

Tree Number	Common Species Name	Trunk Diameter (mm)	Height (m)	Crown Spread (m)					First Significant Branch (m)	Crown Clearance (m)	Life Stage	Physiological Condition	Structural Condition	Comments	BS5837 Category	RPA Radius (m)
				N	E	S	W	Radial								
9	Horse Chestnut	1060 oi	19	9	6.5	6.5#	9		4	2	Mature	Average	Poor	Clad and obscured by Ivy, unable to thoroughly inspect Extensive decay within large pruning wound on southern aspect of trunk at c.2m Large pruning wound on eastern aspect of trunk at c.3m, pruning cut is flush and decay appears to extend in to trunk Moderate example of species Recommend PiCUS investigation to determine extent of dysfunctional wood with full review of category upon results	B12	12.6
10	Yew	1040 at base	14	5.75	6.5	6.75	7		2.5	2	Mature	Average	Indifferent	Well balanced radial crown and scaffold structure Forks into three stems at c.1.5m unions tight and fused in places Situated within car park turning circle Good example of species	A1	12.6
11	Laburnum	105 115	6.5					2	2.5	2	Semi Mature	Average	Hazardous	Bifurcates at c.0.5m, union split to ground level Extensive decay within both stems Hazardous structural condition, unsuitable for retention	U	N/A
12	Holly	400	13	3.5	3.75	4	4.25		6	1.5	Early Mature	Average	Indifferent	Wound on eastern aspect of trunk at c.1m, heartwood exposed Metal sign tight to northern aspect of trunk Growing as cohesive pair with T13 Individually of low significance, conferred moderate value as component of wider collective	B2	4.8
13	Holly	360	13	3.25	4	4	4		5.75	1	Early Mature	Average	Indifferent	Leans east from ground level, corrects at c.3.5m Growing as cohesive pair with T12 Individually of low significance, conferred moderate value as component of wider collective	B2	4.2
14	Horse Chestnut	1185	21	4.25	6.25	6	6.75		8	1.5	Mature	Below Average	Poor	Previous unsympathetic reduction to crown Bifurcates at c.2.5m, union tight but appears sound Large cavity on northern aspect of eastern stem at c.9.25m Moderate example of species Recommend PiCUS investigation to determine extent of dysfunctional wood with full review of category upon results	B12	14.1
15	Sycamore	680	17	3.25	5.25	7	6		6.5	2.75	Early Mature	Below Average	Poor	Above average epicormic growth Cavity within old pruning wound on western aspect of trunk at c.3m Previous unsympathetic pruning to northern aspect of crown Moderate collective value	B2	8.1
16	Yew	400#	6					2	0.5	0.5	Early Mature	Average	Poor	Stem inaccessible due to dense lower crown Appears to have been topped at c.3m, regrowth forms radial canopy Low arboricultural quality	C12	4.8

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				N	E	S	W	Radial								
17	Yew	300# at base	4					2	0.5	0.5	Semi Mature	Average	Poor	Stem inaccessible due to dense lower crown Topped at c.1.5m, regrowth forms radial crown Low arboricultural quality	C12	3.6
18	Sycamore	380	15					3	7	7	Early Mature	Dead	Hazardous	Standing dead, overhangs driveway Hazardous structural condition, immediate felling recommended	U	N/A
19	Sycamore	620	18	6	3.5	3.25	4.25		5.25	6	Early Mature	Below Average	Poor	Sparse crown for species Dieback to upper crown Cavity on eastern aspect at c.4.75m Reduced future potential	C1	7.5
20	Sycamore	670	19					3	3	2.5	Early Mature	Below Average	Poor	Bifurcates at c.4m, union tight Previous unsympathetic reduction toall aspects of crown Dieback to old pruning points Large area of decay on eastern aspect of eastern stem from c.3m-5m Established epicormic growth on trunk Low arboricultural quality Recommend PiCUS investigation to determine extent of dysfunctional wood with full review of category upon results	C1	8.1
21	Sycamore	740	23	4	3.5	8.75	6		7.5	7	Early Mature	Average	Poor	Several pruning wounds on lower stem Large cavity with column of active decay on main stem Suppressed on northern aspect by G3 Large wound on western aspect of trunk at c.1.5m-2.75m, active decay within Large dead stub on northern aspect at c.7m Crown and scaffold structure bias south Individually of low significance, conferred moderate value as component of wider collective Recommend PiCUS investigation to determine extent of dysfunctional wood with full review of category upon results	B2	9
22	Sycamore	525	19	2	2.25	5.75	3.75		2.5	2.5	Early Mature	Below Average	Poor	Etiolated form Crown bias south Cavity on northern aspect of trunk at c.1.5m Multiple cavities within upper trunk on southern aspect Low arboricultural quality Recommend PiCUS investigation to determine extent of dysfunctional wood with full review of category upon results	C1	6.3
G1	Leyland Cypress	150 av	7 av					2.5	0.5 av	0.5 av	Semi Mature	Average	Indifferent	Linear collection of Leyland Cypress Provides screening from adjacent highway Partially maintained on lower canopies Unremarkable collection	C12	1.8

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				N	E	S	W	Radial								
G2	Elder Goat Willow Holly Sycamore Silver Birch	100 av	8 max					2 av	0.5 av	0.5 av	Young to Semi Mature	Average	Indifferent to Poor	Intermittent collection of low value individuals and self set scrub Unremarkable collection	C12	1.2
G3	Lime	950# max	25 av					6 av	6 av	3 av	Early Mature to Mature	Average to Below Average	Indifferent	Components predominantly clad and obscured by Ivy, unable to thoroughly inspect Linear collection of Lime lining site boundary Occasional large diameter deadwood within upper crown Structures appear typical for species within current context Cracks within tarmac on northern extent of group, indicating likelihood of roots under driveway Higher value attributed as a collective only	A2	11.4
G4	Holly Yew	540 max 350 av	12 av					4 av	3 av	3 av	Semi Mature to Early Mature	Average	Indifferent	Intermittent collection majoring on Yew Forms understory to G3 Individually of low significance, moderate value as collective only	B2	6.6 max 4.2 av