

## Tree Survey Schedule - Key

Life Stage	Description
NP	Newly planted
Y (Young)	An establishing tree that could be easily transplanted.
SM (Semi Mature)	An established tree still to reach its ultimate height and spread and with considerable growth potential.
EM (Early Mature)	A tree reaching its ultimate height and whose growth is slowing however it will still increase considerably in stem diameter and crown spread.
M (Mature)	A tree with limited potential for further significant increase in size although likely to have a considerable safe useful life expectancy.
OM (Over Mature)	A senescent or moribund tree with a limited useful life expectancy.
V (Veteran)	A tree older than typical for the species and of great ecological, cultural or aesthetic value.

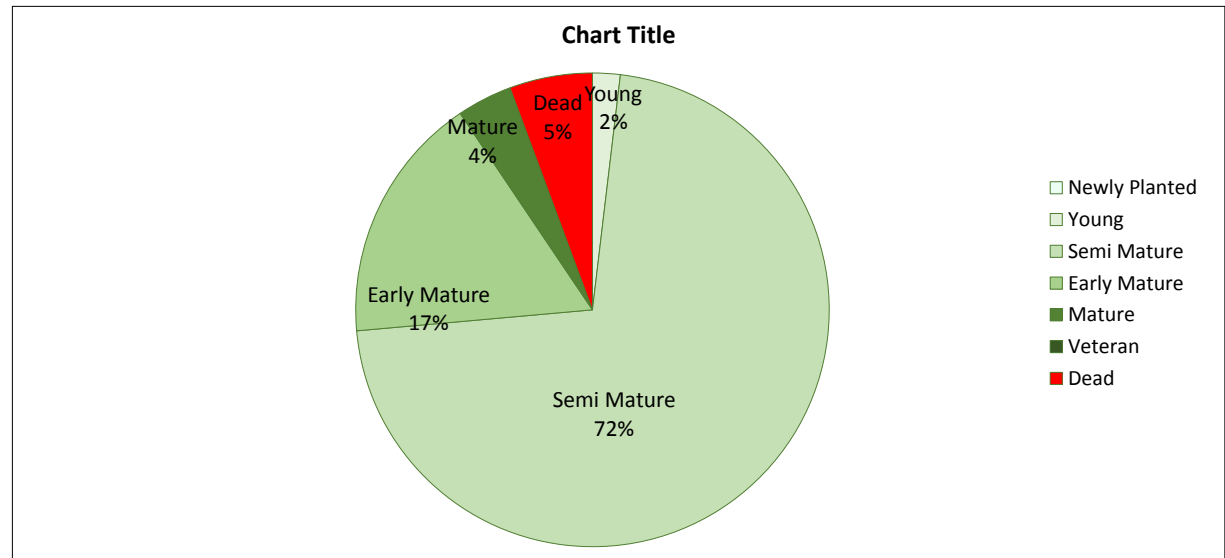
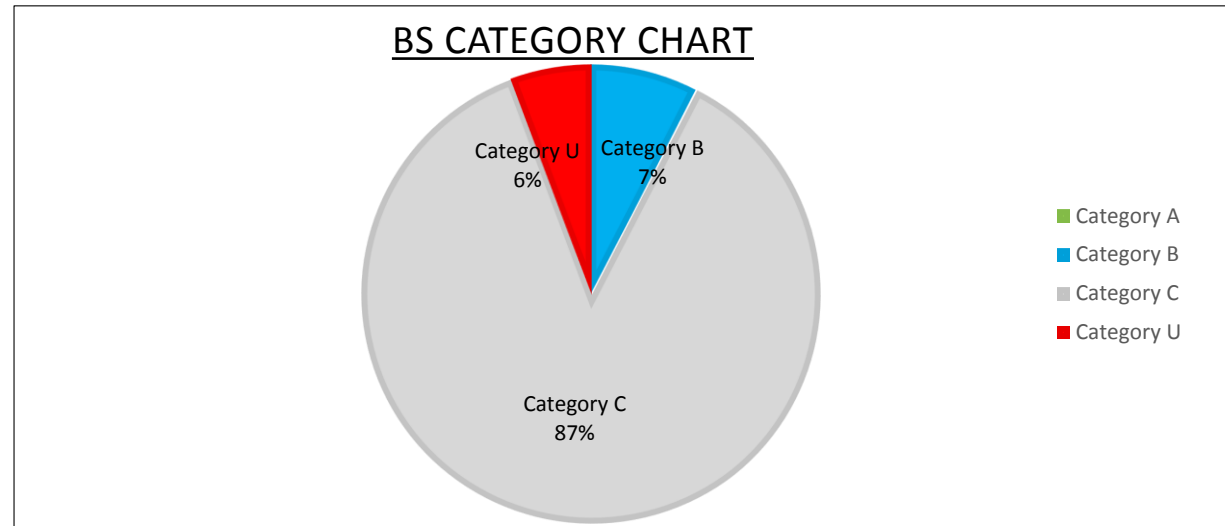
Abbreviations	Description
Stem Ø (mm) at 1.5m	Diameter of stem in millimetres at 1.5m above ground level for single-stemmed trees or in accordance with Annex C of BS 5837 for multi-stemmed trees or trees with low forks or irregular stems.
Stems	Numbers of stems or M/S = Multi-Stemmed.
Height of (FSB)	Height of First Significant Branch above ground level.
Crown Spread NSEW	Crown spread at the four points, North, South, East and West.
Condition	Condition of the tree observed at the time of surveying  G = Good; F = Fair; P = Poor; D = dead

Est Remaining Contribution (Years)	Estimated Remaining Contribution in Years (<10, 10+, 20+, 40+)
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BS Category	Description
A	High quality and value (non-fiscal) with at least 40 years remaining life expectancy.
B	Moderate quality and value with at least 20 years remaining life expectancy.
C	Low quality and value with at least 10 years remaining life expectancy, or young trees with a stem diameter below 150 mm.
U	Unsuitable for retention. The existing condition is such that the tree/ trees cannot be realistically retained as in the context of the current land use for longer than 10 years. Note, category U trees can have existing or potential conservation value which it might be desirable to preserve.
Radii Single Stem (m)	Root Protection Radius in metres based on stem diameter.
RPA	Root Protection Area. A layout design tool indicating the minimum area surrounding the tree that contains sufficient rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority. Assessed according to the recommendations set out in clause 4.6 of BS 5837. It is calculated by multiplying the radius squared by 3.142. Clause 4.6.2 of BS 5837 states that the RPA may be changed in shape, taking into account local site factors, species tolerance, condition and root morphology.

BS Category	Total
Category A	0
Category B	4
Category C	46
Category U	3

Age Class	Total
Newly Planted	0
Young	1
Semi Mature	38
Early Mature	9
Mature	2
Veteran	0
Dead	3



## Tree Survey Schedule

Site name: Haverhill Phases 2-6  
Client: Persimmon Homes Suffolk  
Job Number: 18/351

Survey Date: 13 December 2018  
Surveyor: Simon Smith

Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	Radii Single Stem (m)	RPA (m)
						N	E	S	W							
T1	Leyland Cypress (x Cupressocyparis leylandii).	SM	250	5	2	2.5	2.5	2.5	2.5	Good	Not identified on the topographical survey. Unable to fully inspect - fence. Stem diameter estimated. Situated in rear garden.	10+	C1	3.0	28	
T2	Norway Maple (Acer platanoides).	EM	300	6	2.5	2.5	2.5	3	3	Fair	Not identified on the topographical survey. Unable to fully inspect - fence. Situated in rear garden. Stem diameter estimated. Crown reduced at 4m.	10+	C1	3.6	41	
G3	Common Hawthorn (Crataegus monogyna). Elm (Ulmus sp.).	SM	200	6	1	2	2	2	3	Good	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated.	10+	C2	2.4	18	
T4	Leyland Cypress (x Cupressocyparis leylandii).	EM	200	4	0.5	2.5	1	2.5	2.5	Fair	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated. Topped, continuation of conifer hedge between properties.	10+	C2	2.4	18	
G5	Leyland Cypress (x Cupressocyparis leylandii).	EM	250	4.5	1	2	2	2	2	Fair	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated. Topped.	10+	C2	3.0	28	
G6	Elm (Ulmus sp.).	D	200	9	4	2	2	2	2	Poor	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated. Dutch elm disease (Ophiostoma novo-ulmi). Linear group of elms, some dead, situated to rear of ditch.	Fell to ground level.	<10	U	2.4	18
G7	Field Maple (Acer campestre). Smooth-leaved Elm (Ulmus minor var. minor).	SM	100	6	1.5	2	2	2	2	Fair	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated.	10+	C2	1.2	5	
G8	Smooth-leaved Elm (Ulmus minor var. minor).	SM	354	14	4	3	5	4	4	Good	Not identified on the topographical survey. Unable to fully inspect - ivy, vegetation. Stem diameter estimated. Poor pruning wounds. Minor dead wood. Branch stubs. Situated south of ditch. Value downgraded to reflect presence of Dutch elm disease on site.	10+	C2	4.3	57	

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	Radii Single Stem (m)	RPA (m)
						N	E	S	W							
G9	Field Maple ( <i>Acer campestre</i> ).	SM	532	12	2.5	3	5	4	4	Good	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated. Typical crown form with no obvious major defects.		10+	C2	6.4	128
G10	Common Ash ( <i>Fraxinus excelsior</i> ). Smooth-leaved Elm ( <i>Ulmus minor</i> var. <i>minor</i> ).	SM	300	14	5	4	5	4	5	Good	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated. Situated in ditch, value downgraded due to potential susceptibility to Dutch elm disease (noted on site).		10+	C2	3.6	41
T11	Elm ( <i>Ulmus</i> sp.).	D	250	12	4.5	3	3	3	3	Dead	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated.	Fell to ground level.	<10	U	3.0	28
G12	Common Hawthorn ( <i>Crataegus monogyna</i> ). Blackthorn ( <i>Prunus spinosa</i> ).	SM	200	4	0.5	2.5	2.5	2.5	2.5	Fair	Unable to fully inspect - vegetation.		10+	C2	2.4	18
T13	Norway Maple ( <i>Acer platanoides</i> ).	SM	280	12	4	4	3	4	4	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Typical crown form with no obvious major defects.		10+	C1	3.4	35
G14	Common Ash ( <i>Fraxinus excelsior</i> ).	SM	250	10	3	4	4	4	4	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		10+	C2	3.0	28
G15	Common Hawthorn ( <i>Crataegus monogyna</i> ). Blackthorn ( <i>Prunus spinosa</i> ).	EM	212	6	0.5	2.5	2.5	2.5	2.5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.	Remove the easternmost 10m of the group.	10+	C2	2.5	20
G16	Elm ( <i>Ulmus</i> sp.).	D	250	12	2	4	4	4	4	Poor	Not identified on the topographical survey. Unable to fully inspect - vegetation. Dutch elm disease ( <i>Ophiostoma novo-ulmi</i> ). Dead and dying trees.		<10	U	3.0	28
G17	Common Hawthorn ( <i>Crataegus monogyna</i> ).	EM	173	5	0.5	2	2	2	2	Fair	Unable to fully inspect - vegetation. Stem diameter estimated. Upper crown dieback. Trees dying at eastern end of group.		10+	C2	2.1	14

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						N	E	S	W							
G18	Field Maple ( <i>Acer campestre</i> ). Common Hawthorn ( <i>Crataegus monogyna</i> ).	Y	75	4	1	1.5	1.5	1.5	1.5	Good	Stem diameter estimated. Linear group. Appears to have been planted to screen adjacent development.	Remove the northernmost 3m of the group.	10+	C2	0.9	3
G19	Goat Willow ( <i>Salix caprea</i> ).	SM	260	8	0.5	2	3	2	2	Good	Stem diameter estimated. Self-set.	Remove the southernmost 15m of the group.	10+	C2	3.1	31
G20	Goat Willow ( <i>Salix caprea</i> ).	SM	200	6	0.5	2	2.5	2	2.5	Good	Stem diameter estimated. Self-set.		10+	C2	2.4	18
G21	Silver Birch ( <i>Betula pendula</i> ). Common Hazel ( <i>Corylus avellana</i> ). Scots Pine ( <i>Pinus sylvestris</i> ).	SM	150	8	2	2	2	2	2	Good	Stem diameter estimated. Buffer between site and surrounding area.		10+	C2	1.8	10
G22	Blackthorn ( <i>Prunus spinosa</i> ).	SM	50	3.5	0	2	2	2	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Suckers extending group.	Remove 20m long section.	10+	C2	0.6	1
G23	Blackthorn ( <i>Prunus spinosa</i> ).	SM	50	3.5	0	1	1	1	1	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Suckers extending group.		10+	C2	0.6	1
G24	Blackthorn ( <i>Prunus spinosa</i> ).	SM	50	4	0	2	2	2	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Suckers extending group.		10+	C2	0.6	1
G25	Common Hawthorn ( <i>Crataegus monogyna</i> ). Blackthorn ( <i>Prunus spinosa</i> ).	SM	50	4	0	2	2	2	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Suckers extending group.	Remove the northernmost 20m of the group.	10+	C2	0.6	1
G26	Smooth-leaved Elm ( <i>Ulmus minor</i> var. <i>minor</i> ).	SM	300	13	1.5	4	4	3.5	4	Good	Unable to fully inspect - vegetation. Largest stem diameter recorded. Good vitality. Categorisation downgraded due to potential risk of Dutch elm disease.	Remove the southernmost 15m of the group.	10+	C2	3.6	41

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						N	E	S	W							
G27	Blackthorn (Prunus spinosa).	SM	100	5	0.5	3	3	3	3	Good	Unable to fully inspect - vegetation. Stem diameter estimated.	10+	C2	1.2	5	
G28	Field Maple (Acer campestre). Smooth-leaved Elm (Ulmus minor var. minor).	SM	250	13	1.5	2	3.5	3.5	3.5	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Dominated by elm with one field maple at southern end. On western side of ditch. Value downgraded to reflect presence of Dutch elm disease on site.	10+	C2	3.0	28	
G29	Common Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	SM	173	5	0	2	2	2	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated.	10+	C2	2.1	14	
G30	Smooth-leaved Elm (Ulmus minor var. minor).	SM	250	10	1.5	3.5	3.5	3.5	3.5	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Value downgraded to reflect presence of Dutch elm disease on site.	10+	C2	3.0	28	
G31	Common Hawthorn (Crataegus monogyna).	SM	100	5	0	2.5	2.5	2.5	2.5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.	10+	C2	1.2	5	
G32	Field Maple (Acer campestre). Common Hawthorn (Crataegus monogyna).	SM	200	8	1	3	3	3	3	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Field maples with hawthorn understorey.	10+	C2	2.4	18	
T33	English Oak (Quercus robur).	SM	400	10	3	4.5	5.5	5	5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.	20+	B1	4.8	72	
H34	Field Maple (Acer campestre). Common Hawthorn (Crataegus monogyna). Blackthorn (Prunus spinosa).	EM	50	2.5	0	2	2	2	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Maintained hedgerow. Hedge comprises thorn species with occasional field maples growing within it. Suckers extending hedge width.	10+	C2	0.6	1	
T35	English Oak (Quercus robur).	SM	450	8	2	6	6.5	6	5.5	Good	Unable to fully inspect - vegetation. Flail damage. Branch stubs. Crown height 2m south.	20+	B1	5.4	92	
T36	Common Ash (Fraxinus excelsior).	SM	300	6	2.5	3	4	3	3.5	Good	Unable to fully inspect - ivy. Unable to fully inspect - vegetation. Stem diameter estimated. Typical crown form with no obvious major defects.	10+	C1	3.6	41	

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Tree No.	Tree Species	Life Stage	Stem Ø (mm) at 1.5m	Height (m)	Height of (FSB)	Crown Spread				Condition	Comments	Tree Management Recommendations	Est Remaining Contribution (Years)	BS Cat	Radii Single Stem (m)	RPA (m)
						N	E	S	W							
G37	Field Maple ( <i>Acer campestre</i> ). Common Hawthorn ( <i>Crataegus monogyna</i> ). Blackthorn ( <i>Prunus spinosa</i> ).	SM	75	5	0	2	2	2	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated.	Remove the easternmost 20m of the group.	10+	C2	0.9	3
T38	English Oak ( <i>Quercus robur</i> ).	EM	760	10	3.5	6	6	7	6	Good	Minor dead wood. Minor basal wound. Stem pruning wounds. Low crown. Historic swelling of lower stem. Crown height 1m south.		20+	B1,B2	9.1	261
T39	Common Hazel ( <i>Corylus avellana</i> ).	SM	237	5	0.5	4	4	3.5	3.5	Good	Not identified on the topographical survey. Unable to fully inspect - vegetation. Stem diameter estimated. Typical crown form with no obvious major defects.		10+	C1	2.8	25
G40	Field Maple ( <i>Acer campestre</i> ). Common Hawthorn ( <i>Crataegus monogyna</i> ). Blackthorn ( <i>Prunus spinosa</i> ).	SM	168	4	0	2	2	2	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		10+	C2	2.0	13
G41	Blackthorn ( <i>Prunus spinosa</i> ). Common Hazel ( <i>Corylus avellana</i> ).	SM	168	4	0	1.5	1.5	1.5	1.5	Good	Unable to fully inspect - vegetation. Stem diameter estimated.		10+	C2	2.0	13
H42	Common Hawthorn ( <i>Crataegus monogyna</i> ). Common Hazel ( <i>Corylus avellana</i> ). Wild Crab Apple ( <i>Malus sylvestris</i> ).	SM	158	5	0	2	1.5	1.5	2	Good	Unable to fully inspect - vegetation. Stem diameter estimated. Flail damage.		10+	C2	1.9	11
G43	Common Ash ( <i>Fraxinus excelsior</i> ). Blackthorn ( <i>Prunus spinosa</i> ). Elm ( <i>Ulmus sp.</i> ).	SM	100	4	0	2	2	2	2	Good	Stem diameter estimated. Hedgerow with gaps.	Remove the westernmost 65m of the group.	10+	C2	1.2	5
H44	Field Maple ( <i>Acer campestre</i> ).	EM	150	3.5	0.5	2	2	2	2	Good	Maintained hedgerow. Growing from ditch.		10+	C2	1.8	10
T45	Common Ash ( <i>Fraxinus excelsior</i> ).	EM	700	12	4	5.5	5.5	6	6	Fair	Poor pruning wounds. Minor dead wood.		10+	B1	8.4	222
T46	Goat Willow ( <i>Salix caprea</i> ).	SM	453	7.5	0.5	5	5	5	5	Good	Stem diameter estimated. Typical crown form with no obvious major defects. Low crown.		10+	C1	5.4	93

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						N	E	S	W							
T47	Common Ash ( <i>Fraxinus excelsior</i> ).	SM	367	8	1.5	4	4	4	4	Good	Stem diameter estimated. Multi-stemmed from base.	10+	C1	4.4	61	
G48	Field Maple ( <i>Acer campestre</i> ). Elm ( <i>Ulmus sp.</i> ).	SM	300	8	0.5	3	4	3	3	Fair	Unable to fully inspect - vegetation. Stem diameter estimated. Two dead trees in group (elm?).	10+	C2	3.6	41	
G49	Hornbeam ( <i>Carpinus betulus</i> ).	SM	120	6	1	2.5	2.5	2.5	2.5	Good	Unable to fully inspect - ditch. Stem diameter estimated. Typical crown form with no obvious major defects.	10+	C2	1.4	7	
G50	Cherry Laurel ( <i>Prunus laurocerasus</i> ).	M	100	4	0	2	2	2	2	Good	Unable to fully inspect - fence/wall. Stem diameter estimated. Maintained hedgerow.	10+	C2	1.2	5	
G51	Common Ash ( <i>Fraxinus excelsior</i> ). Hornbeam ( <i>Carpinus betulus</i> ). Leyland Cypress (x <i>Cupressocyparis leylandii</i> ).	SM	100	2.5	0.5	1	1	1	1	Good	Unable to fully inspect - fence/wall. Stem diameter estimated. Maintained small groups of conifers interspersed with occasional planted hornbeam and ash.	10+	C2	1.2	5	
G52	Common Hawthorn ( <i>Crataegus monogyna</i> ).	SM	200	4	0.5	2	2	2.5	2	Fair	Unable to fully inspect - fence/wall. Stem diameter estimated. Branch pruning wounds.	10+	C2	2.4	18	
H53	Elm ( <i>Ulmus sp.</i> ). Common Hazel ( <i>Corylus avellana</i> ).	M	100	5	2	2	3.5	2	2	Fair	Stem diameter estimated. Low canopy. Maintained hedgerow.	10+	C2	1.2	5	

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