

BS5837:2012 Tree Survey

**Arbtech Consulting Ltd.**

Client: Meadow Residential  
 Project: Mill Hill  
 Survey Date: 08/09/2016 - 04/07/2018  
 Surveyor: Jon Hartley

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Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)						
<b>C1</b>										Estimated Measurements	
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs
<b>C1a</b>										Estimated Measurements	
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs
<b>C1b</b>										Estimated Measurements	
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs
<b>C1c</b>										Estimated Measurements	
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs

<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature		S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature		B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
<b>C1d</b>										Estimated Measurements			
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs		
<b>C1e</b>										Estimated Measurements			
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs		
<b>C1f</b>										Estimated Measurements			
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs		
<b>C1g</b>										Estimated Measurements			
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs		
<b>C1h</b>										Estimated Measurements			
A Collection <i>See comments for details</i>	5	1	150	N	1.5	2	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Fair B: Fair	<b>C.2</b>  <10 yrs		
<b>C2</b>										Estimated Measurements			
A Collection <i>See comments for details</i>	1.5	1	100	N	0.75	0	SM	A: 4.5 R: 1.19	Good	C: Good S: Good B: Fair	<b>C.2</b>  10 to 20 yrs Collection of seven Lawson cypress of varying dimensions, details recorded relate to the largest individual; grow from a raised surface approximately 1m above car park surface level.		
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature					B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
Estimated Measurements												
G1												
A Group <i>See comments for details</i>	4	1	90	N	1	1	Y	A: 3.7 R: 1.08	Fair	C: Fair S: Fair B: Fair	Mixed species shrub group with some self seeded ash; roots likely to be contained within planter.	C.2 20 to 40 yrs
Estimated Measurements												
G2												
A Group <i>See comments for details</i>	6	1	130	N	3	1	Y	A: 7.6 R: 1.55	Good	C: Good S: Good B: Good	Mixed species regeneration group including ash, sycamore, cherry and hawthorn growing between the road surface and the retaining wall of Pentavia park; dimensions recorded are the largest represented within the group.	C.2 >40 yrs
Estimated Measurements												
G3												
A Group <i>See comments for details</i>	6	1	130	N	3	1	Y	A: 7.6 R: 1.55	Good	C: Good S: Good B: Good	Mixed species regeneration group including ash, sycamore, cherry and hawthorn with bramble and dog rose; dimensions recorded are the largest represented within the group.	C.2 >40 yrs
Estimated Measurements												
G4												
Common Ash <i>Fraxinus excelsior</i>	16	1	320	N	6	6	SM	A: 46.3 R: 3.83	Good	C: Good S: Good B: Good	Dominant ash within the woodland group W01.	B.1.2 >40 yrs
Estimated Measurements												
W1												
A Group <i>See comments for details</i>	6	1	200	N	4	1	SM	A: 18.1 R: 2.4	Good	C: Good S: Good B: Good	Woodland group; ash dominates with an understory of ash, oak, willow, hawthorn, apple, pear; dimensions recorded are the largest represented within the group.	B.2 >40 yrs
Estimated Measurements												
1												
Holm Oak <i>Quercus ilex</i>	6	1	230	N	1.5	1.5	Y	A: 23.9 R: 2.75	Good	C: Good S: Good B: Fair	Grows from planter of limited space.	C.1 >40 yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
2 Holm Oak <i>Quercus ilex</i>	3	1	130	N	1.5	1.5	Y	A: 7.6 R: 1.55	Good	C: Good S: Good B: Fair	Grows from planter of limited space.	C.1 >40 yrs
3 Holm Oak <i>Quercus ilex</i>	3	1	130	N	1.5	1.5	Y	A: 7.6 R: 1.55	Good	C: Good S: Good B: Fair	Grows from planter of limited space.	C.1 >40 yrs
4 Downy Birch <i>Betula pubescens</i>	4	1	100	N	1	2	Y	A: 4.5 R: 1.19	Poor	C: Poor S: Good B: Fair	Estimated Measurements Apical die back; grows from planter with limited potential rooting volume.	C.1 <10 yrs
5 Holm Oak <i>Quercus ilex</i>	4	1	160	N	1.5	1.5	Y	A: 11.6 R: 1.92	Good	C: Good S: Good B: Good	Grows from planter with limited potential rooting volume.	C.1 >40 yrs
6 Stags horn sumach <i>Rhus typhina</i>	3	2	106 (Eq)	N	3	1	M	A: 5.1 R: 1.27	Fair	C: Good S: Fair B: Fair	Estimated Measurements Grows from planter with limited potential rooting volume.	C.1 10 to 20 yrs
7 Stags horn sumach <i>Rhus typhina</i>	3	2	106 (Eq)	N	1.5	1	M	A: 5.1 R: 1.27	Fair	C: Good S: Fair B: Fair	Estimated Measurements Grows from planter with limited potential rooting volume.	C.1 10 to 20 yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>		C	Crown	<b>Stems:</b>		Ø	Diameter
	Y	Young	M	Mature			S	Stem			(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature			B	Basal area				

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC	
		No	Ø (mm)	Spread (m)	Clear (m)							
8										Estimated Measurements		
Cherry <i>Prunus sp.</i>	6	1	200	N	2	3	SM	A: 18.1 R: 2.4	Good	C: Fair S: Good B: Fair	Grows from raised planter approximately 400mm above surface level.	C.1.2 10 to 20 yrs
9										Estimated Measurements		
Mountain Ash <i>Sorbus aucuparia</i>	4	1	240	N	2	2	M	A: 26.1 R: 2.88	Fair	C: Fair S: Ivy B: Fair	Ivy obscures inspection of base, lower stem and primary branch unions; grows from raised planter approximately 400mm above surface level.	C.1.2 10 to 20 yrs
10										Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>	6	3	228 (Eq)	N	3	2	Y	A: 23.6 R: 2.74	Good	C: Good S: Fair B: Poor	Three codominant stems from base with included bark at stem union, grows from raised planter approximately 500mm above surface level.	C.1.2 10 to 20 yrs
11										Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>	6	2	283 (Eq)	N	3	2	Y	A: 36.2 R: 3.39	Good	C: Good S: Fair B: Poor	Two codominant stems	C.1.2 10 to 20 yrs
12										Estimated Measurements		
Common Ash <i>Fraxinus excelsior</i>	7	7	238 (Eq)	N	4	2	Y	A: 25.7 R: 2.86	Good	C: Fair S: Fair B: Poor	Seven codominant stems from base with included bark at stem unions.	C.1 10 to 20 yrs
13										Estimated Measurements		
Austrian Pine <i>Pinus nigra ssp. Nigra</i>	4	1	340	N	2.5	1	SM	A: 52.3 R: 4.08	Good	C: Good S: Good B: Good	Tree has been topped to current height for line of site to signage.	C.2 10 to 20 yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature	<b>Condition:</b>			C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature				S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature				B	Basal area			

Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC		
		No	Ø (mm)	Spread (m)	Clear (m)								
14										Estimated Measurements			
Goat Willow <i>Salix caprea</i>	6	1	300	N	2.5	2	M	A: 40.7 R: 3.59	Fair	C: Fair S: Fair B: Fair	C.1.2 10 to 20 yrs		
				E	3	4				Ivy obscures inspection of base, lower stem and primary branch unions; grows as part of a group of 4 trees.			
				S	2.5	4							
				W	1.5	4							
15													
Scots Pine <i>Pinus sylvestris</i>	4	1	250	N	2	1	SM	A: 28.3 R: 3	Fair	C: Fair S: Ivy B: Fair	C.1.2 10 to 20 yrs		
				E	2	1				Ivy obscures inspection of base; lower stem and primary branch unions; foliage density low; grows as part of a group of 4 trees.			
				S	2	1							
				W	2	1							
16										Estimated Measurements			
Scots Pine <i>Pinus sylvestris</i>	5	1	300	N	2	1	SM	A: 40.7 R: 3.59	Fair	C: Fair S: Ivy B: Fair	C.1.2 10 to 20 yrs		
				E	2	1				Ivy obscures inspection of base; lower stem and primary branch unions; foliage density low; grows as part of a group of 4 trees.			
				S	2	1							
				W	2	1							
17										Estimated Measurements			
Scots Pine <i>Pinus sylvestris</i>	5	1	420	N	2	1	SM	A: 79.8 R: 5.03	Fair	C: Fair S: Ivy B: Fair	C.1.2 10 to 20 yrs		
				E	2	1				Ivy obscures inspection of base; lower stem and primary branch unions; foliage density low; grows as part of a group of 4 trees.			
				S	2	1							
				W	2	1							
18													
Common or Black Elder <i>Sambucas nigra</i>	5	3	346 (Eq)	N	1.5	4	M	A: 54.3 R: 4.15	Good	C: Fair S: Fair B: Good	C.1.2 10 to 20 yrs		
				E	3	1				Grows from edge of pavement; three codominant stems from base typical of the species; asymmetrical crown distribution due to regular pruning on north side.			
				S	3	1							
				W	3	1							
19										Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	7	1	320	N	4	4	SM	A: 46.3 R: 3.83	Good	C: Good S: Good B: Good	B.1.2 >40 yrs		
				E	4	1				Open grown tree with no significant defects notes.			
				S	4	1							
				W	4	1							
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature				<b>Condition:</b>	C	Crown	<b>Stems:</b>	Ø	Diameter
	Y	Young	M	Mature					S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
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Tree and Tag No Species	Hght (m)	Stems		Crown		Age	RP A (m <sup>2</sup> ) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations		Cat ERC
		No	Ø (mm)	Spread (m)	Clear (m)					Survey Comment		
20											Estimated Measurements	
Sycamore <i>Acer pseudoplatanus</i>	7	1	450	N	5	2	SM	A: 91.6 R: 5.39	Good	C: Good S: Good B: Fair	Three co-dominant stems from 0.5m; ground level appears to have been raised with no root flare obvious.	B.1.2 20 to 40 yrs
21												
Norway Maple <i>Acer platanoides</i>	8	1	230	N	5	2	SM	A: 23.9 R: 2.75	Good	C: Good S: Good B: Fair	Asymmetrical crown distribution due to proximity of companion tree; ground level appears to have been raised with no root flare obvious.	B.1.2 20 to 40 yrs
<b>Age Classifications:</b>	N	Newly planted	EM	Early Mature								
	Y	Young	M	Mature								
	SM	Semi-mature	OM	Over Mature								
<b>Condition:</b>	C	Crown										
	S	Stem										
	B	Basal area										
<b>Stems:</b>	Ø	Diameter										
	(Eq)	Equivalent stem diameter using BS5837:2012 definition										