

BS5837:2012 Tree Survey

Arbtech Consulting Limited

Client: Channing School  
 Project: Channing Junior School  
 Survey Date: 12/10/2017  
 Surveyor: Aran Nearn

Unit 3  
 Well House Barns  
 Chester  
 Cheshire  
 CH4 0DH  
 Phone: 01244661170



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>	5	1	90	N	1.5	1	SM	A: 3.7 R: 1.08	Good	C: Fair S: Fair B: Fair	C.1.2 10 to 20 yrs Rockery group; species include sumach, elder and aucuba; stem and crown dimensions recorded are the largest represented within the group.
Estimated Measurements											
G2											
A Group <i>See comments for details</i>	4	1	100	N	1.5	0	SM	A: 4.5 R: 1.19	Fair	C: Fair S: Fair B: Fair	C.1.2 10 to 20 yrs Linear boundary group; grows from; car park edge; potential compaction from vehicle access over root plates; species include elder, lilac, holly, cherry laurel, ash and beech; stem and crown dimensions recorded are the largest represented within the group.
Estimated Measurements											
G3											
A Group <i>See comments for details</i>	5	1	130	N	2	0	SM	A: 7.6 R: 1.55	Good	C: Fair S: Fair B: Fair	C.1.2 20 to 40 yrs Understorey shrub group, species include holly, yew, buddleia and elder; stem and crown dimensions recorded are the largest represented within the group.
Estimated Measurements											
1											
Pittosporum <i>Pittosporum tenuifolium</i>	8	5	200 (Eq)	N	4	3	M	A: 18.1 R: 2.4	Good	C: Good S: Fair B: Fair	B.1 20 to 40 yrs Grows from planted bed; multi-stemmed from base; up to 200mm of included bark at several tight compression forks throughout crown; previously crown lifted to 3m, wound diameter up to 100mm.
<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									

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2 Common Horse Chestnut <i>Aesculus hippocastanum</i>	18	1	710	N E S W	6 6 6 6	7 7 7 7	M	A: 228.1 R: 8.52	Good	C: Good S: Good B: Fair	Grows from fenced off area; potential compaction from vehicle access over root plate; previously crown reduced away from neighbouring building, wound diameter up to 100mm.	<b>B.1</b> 20 to 40 yrs
3 Common Yew <i>Taxus baccata</i>	15	2	429 (Eq)	N E S W	4 4.5 3 3	3 3 3 3	M	A: 83.4 R: 5.15	Good	C: Fair S: Good B: Good	Grows from fenced off area; two co-dominant stems from 1m; asymmetrical crown distribution due to suppression from neighbouring trees.	<b>B.1</b> 20 to 40 yrs
4 Common Yew <i>Taxus baccata</i>	12	2	419 (Eq)	N E S W	2 4 4 3	3 3 3 3	M	A: 79.3 R: 5.02	Good	C: Fair S: Good B: Good	Grows from fenced off area; two co-dominant stems from 1m; asymmetrical crown distribution due to suppression from neighbouring trees.	<b>B.1</b> 20 to 40 yrs
5 Common Yew <i>Taxus baccata</i>	8	2	419 (Eq)	N E S W	3 4 4 3	1 1 1 1	M	A: 79.3 R: 5.02	Good	C: Fair S: Fair B: Good	Grows from fenced off area; two co-dominant stems from 1m; stem leans at 20 from vertical to northeast; asymmetrical crown distribution due to suppression from neighbouring trees; climber throughout crown.	<b>B.1</b> 20 to 40 yrs
6 Common Lime <i>Tilia europaea</i>	20	1	600	N E S W	5 4 3 3	4 4 4 4	M	A: 162.9 R: 7.2	Good	C: Fair S: Good B: Not Visible	Off-site tree; grows from neighbouring land; base not visible over boundary fence; stem diameter estimated from site.	<b>B.1</b> 20 to 40 yrs
7 Common Lime <i>Tilia europaea</i>	18	1	600	N E S W	5 4 3 3	4 4 4 4	M	A: 162.9 R: 7.2	Good	C: Fair S: Good B: Not Visible	Off-site tree; grows from neighbouring land; base not visible over boundary fence; stem diameter estimated from site.	<b>B.1</b> 20 to 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			

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		No	Ø (mm)	Spread (m)	Clear (m)								
8 Holm Oak <i>Quercus ilex</i>	16	1	600	N E S W	8 9 4 3	4	M R: 7.2	Good	C: Fair S: Good B: Good	Grows from fenced off area; two co-dominant stems from 2m; asymmetrical crown distribution due to suppression from neighbouring trees.	B.1 20 to 40 yrs		
9 Norway Maple <i>Acer platanoides</i>	7	1	340	N E S W	3.5 4 4 4	2.5	SM R: 4.08	Good	C: Good S: Fair B: Fair	Grows from verge on edge of track; potential compaction from vehicle access over root plate; previously crown lifted to 3m, wound diameter up to 100mm.	B.1 20 to 40 yrs		
10 Common Ash <i>Fraxinus excelsior</i>	6	1	180	N E S W	3 3 4 4	3	SM R: 2.16	Fair	C: Good S: Good B: Fair	Grows from hedge block, in close proximity to boundary wall; dieback in lower crown.	B.1.2 20 to 40 yrs		
11 Common Ash <i>Fraxinus excelsior</i>	8	1	270	N E S W	4.5 5 5 5	3	SM R: 3.24	Good	C: Fair S: Good B: Fair	Grows in close proximity to track; potential compaction from vehicle access over root plate; visible from road.	B.1.2 20 to 40 yrs		
12 Common Holly <i>Ilex aquifolium</i>	5	2	224 (Eq)	N E S W	1.5 3 2 1	0	SM R: 2.68	Fair	C: Fair S: Good B: Fair	Grows in close proximity to track; potential compaction from vehicle access over root plate twin-stemmed from base.	C.1 10 to 20 yrs		
13 Common Holly <i>Ilex aquifolium</i>	6	2	262 (Eq)	N E S W	3 3 3 3	2	SM R: 3.14	Good	C: Fair S: Fair B: Fair	Grows in close proximity to track; potential compaction from vehicle access over root plate; two co-dominant stems from base; vertical suppression from neighbouring tree.	B.1 20 to 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
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14 Sycamore <i>Acer pseudoplatanus</i>	20	2	700 (Eq)	N E S W	7 5 9 7	5 5 5 5	M	A: 221.7 R: 8.4	Good	C: Fair S: Good B: Fair	<b>B.1.2</b> 20 to 40 yrs	
15 Irish Yew <i>Taxus baccata 'Fastigiata'</i>	6	3	191 (Eq)	N E S W	1.5 2 2 2	1 1 1 1	SM	A: 16.5 R: 2.29	Good	C: Fair S: Fair B: Fair	<b>C.1</b> >40 yrs	
16 Common Holly <i>Ilex aquifolium</i>	7	1	230	N E S W	2.5 1.5 3 3.5	2 2 2 2	SM	A: 23.9 R: 2.75	Fair	C: Fair S: Good B: Fair	<b>C.1</b> 10 to 20 yrs	
17 Common Holly <i>Ilex aquifolium</i>	5	2	347 (Eq)	N E S W	3 2 1 2	4 4 4 4	M	A: 54.3 R: 4.15	Good	C: Fair S: Good B: Fair	<b>B.1</b> 20 to 40 yrs	
18 Sycamore <i>Acer pseudoplatanus</i>	18	1	300	N E S W	2 3 3 3	5 5 5 5	M	A: 40.7 R: 3.59	Good	C: Fair S: Ivy B: Not Visible	Estimated Measurements <b>B.1</b> 20 to 40 yrs	
19 Sycamore <i>Acer pseudoplatanus</i>	18	3	374 (Eq)	N E S W	2 3 3 3	5 5 5 5	M	A: 63.3 R: 4.48	Good	C: Fair S: Ivy B: Not Visible	Estimated Measurements <b>B.1</b> 20 to 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
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		No	Ø (mm)	Spread (m)	Clear (m)								
20										Estimated Measurements			
Common Lime <i>Tilia europaea</i>	18	1	500	N	4	3	M	A: 113.1 R: 6	Fair	C: Good S: Ivy B: Not Visible	Off-site tree; grows from neighbouring land; base not visible over boundary fence; 60% ivy coverage of stem; tip dieback throughout crown.	<b>B.1.2</b> 20 to 40 yrs	
21										Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	18	1	400	N	1	5	M	A: 72.4 R: 4.8	Good	C: Fair S: Ivy B: Not Visible	Off-site tree; grows from neighbouring land; base not visible over boundary fence; 80% ivy coverage of stem; asymmetrical crown distribution due to suppression from neighbouring tree.	<b>B.1.2</b> 20 to 40 yrs	
22										Estimated Measurements			
Sycamore <i>Acer pseudoplatanus</i>	18	1	400	N	2	5	M	A: 72.4 R: 4.8	Good	C: Fair S: Ivy B: Not Visible	Off-site tree; grows from neighbouring land; base not visible over boundary fence; 80% ivy coverage of stem; asymmetrical crown distribution due to suppression from neighbouring tree.	<b>B.1.2</b> 20 to 40 yrs	
23													
Cedar of Lebanon <i>Cedrus libani</i>	20	1	1370	N	14	0	M	A: 707 R: 15	Good	C: Good S: Good B: Good	Grows from lawn; focal tree of site; dense low hanging canopy.	<b>A.1.2.3</b> >40 yrs	
24													
Holm Oak <i>Quercus ilex</i>	10	1	850	N	7	0	M	A: 326.9 R: 10.2	Good	C: Good S: Good B: Good	Grows from lawn; surface roots visible to south, no apparent damage; several cavities in stem up to 100mm diameter, previously occluded or surrounded by strong wood wound growth.	<b>A.1.2.3</b> >40 yrs	
25													
Mountain Ash <i>Sorbus aucuparia</i>	4	3	179 (Eq)	N	1.5	2	SM	A: 14.5 R: 2.14	Fair	C: Good S: Good B: Fair	Grows from playground edge; three co-dominant stems from 1m; lower than average foliage density.	<b>C.1</b> 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
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26												
Whitebeam <i>Sorbus aria</i>	4	1	120	N	1.5	2	Y	A: 6.5 R: 1.43	Good	C: Fair S: Fair B: Good	Grows from top of bank; future crown conflict with neighbouring tree.	C.1 20 to 40 yrs
<p><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</p>												