BS5837:2012 Tree Survey

Client: Channing School

Project: Channing Junior School

Survey Date: 12/10/2017 Surveyor: Aran Nearn



Arbtech Consulting Limited

Unit 3

Well House Barns

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Tree and Tag No		Haba		Stems		(Crow	'n			RP	Phys	Structur		Preliminary Recommendations	Cat	
Species		Hght (m)	N	0 (Ø : (mm)	Sprea (m)		Clear (m)	A	ge	A (m²) R (m)	, ,	dition	Conditio		Survey Comment	ERC
G1																Estimated Mea	surements
A Group		5	1	9	00	N	1.5		1 S	M	A: 3.7	G	ood	C: Fair			C.1.2
See comments for details						E S W	1.5 1.5 1.5		1 1 1		R: 1.08			S: Fair B: Fair		Rockery group; species include sumach, elder and aucuba; stem and crown dimensions recorded are the largest represented within the group.	10 to 20 yrs
G2																Estimated Mea	surements
A Group		4	1	10	00	N	1.5		0 S	M	A: 4.5	F	air	C: Fair			C.1.2
See comments for details						E S W	2 2 2		0 0 0		R: 1.19			S: Fair B: Fair		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.	10 to 20 yrs
G3																Estimated Mea	surements
A Group		5	1	13	30	N	2		0 S	M	A: 7.6	G	ood	C: Fair			C.1.2
See comments for details						E S W	2 2 2		0 0 0		R: 1.55			S: Fair B: Fair		Understorey shrub group, species include holly, yew, buddleia and elder; stem and crown dimensions recorded are the largest represented within the group.	20 to 40 yrs
1																	
Pittosporum		8	5	20	00 (Eq)	N	4			М	A: 18.1	G	ood	C: Good			B.1
Pittosporum tenuifolium						E S W	4 4 4		3 3 3		R: 2.4			S: Fair B: Fair		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.	20 to 40 yrs
Age Classifications:	N Y SM	Newly plan Young Semi-matu		EM M OM	Early M Mature Over M				Cor	nditi		S St	own em asal area	a	Stem	ems: Ø Diameter (Eq) Equivalent stem diameter using BS5837:2012 defin	nition

Tree and Tag No	Hght	S	tems		Crow	n		RP	Phys	Structural	Preliminary Recommendations	Cat
Species	(m)	No	Ø (mm)	Spre (m		Clear (m)	Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
2												
Common Horse Chestnut	18	1	710	N	6	7	М	A: 228.1	Good	C: Good		B.1
Aesculus hippocastanum				Е	6	7		R: 8.52		S: Good	Crows from forced off areas notantial compaction from vehicle	20 to 40
				S	6	7				B: Fair	Grows from fenced off area; potential compaction from vehicle access over root plate; previously crown reduced away from	yrs
				W	6	7					neighbouring building, wound diameter up to 100mm.	
3												
Common Yew	15	2	429 (Eq	,	4	3		A: 83.4	Good	C: Fair		B.1
Taxus baccata				Е	4.5	3		R: 5.15		S: Good	Grows from fenced off area; two co-dominant stems from 1m;	20 to 40
				S	3	3				B: Good	asymmetrical crown distribution due to suppression from	yrs
				W	3	3					neighbouring trees.	
4												
Common Yew	12	2	419 (Eq		2	3		A: 79.3	Good	C: Fair		B.1
Taxus baccata				Е	4	3		R: 5.02		S: Good	Grows from fenced off area; two co-dominant stems from 1m;	20 to 40
				S W	4 3	3				B: Good	asymmetrical crown distribution due to suppression from neighbouring trees.	yrs
5												
Common Yew	8	2	419 (Eq) N	3	1	М	A: 79.3	Good	C: Fair		B.1
Taxus baccata				Е	4	1		R: 5.02		S: Fair	Crows from forced off areas two so dominant stoms from 1ms	20 to 40
				S	4	1				B: Good	Grows from fenced off area; two co-dominant stems from 1m; stem leans at 20 from vertical to northeast; asymmetrical	yrs
				W	3	1					crown distribution due to suppression from neighbouring trees; climber throughout crown.	,
6											Estimated Mo	easurement
Common Lime	20	1	600	N	5	4	М	A: 162.9	Good	C: Fair		B.1
Tilia europaea				Ε	4	4		R: 7.2		S: Good	Off-site tree; grows from neighbouring land; base not visible	20 to 40
				S	3	4				B: Not Visible	over boundary fence; stem diameter estimated from site.	yrs
				W	3	4					over soundary renery stem diameter commuted from steel	,
7											Estimated Mo	easurement
Common Lime	18	1	600	N	5	4	М	A: 162.9	Good	C: Fair		B.1
Tilia europaea				Е	4	4		R: 7.2		S: Good	Off-site tree; grows from neighbouring land; base not visible	20 to 40
				S	3	4				B: Not Visible	over boundary fence; stem diameter estimated from site.	yrs
				W	3	4					, ,	
Age Classifications:	N Newly plant	ted	EM Early	Matur	е		Condi	tion: C	Crown	Ste	ems: Ø Diameter	
	Y Young		M Matur	e				S	Stem		(Eq) Equivalent stem diameter using BS5837:2012 de	finition
	SM Semi-matur	re	OM Over	Mature	е			В	Basal are	а		

Tree and Tag No		Umba		Stems		Crown			RP	Phys	Structural	Preliminary Recommendations	Cat
Species		Hght (m)	No	Ø (mm)	Spre (m		Clear (m)	Age	A (m²) R (m)	Condition	Condition	·	ERC
8													
Holm Oak		16	1	600	N	8	4	М	A: 162.9	Good	C: Fair		B.1
Quercus ilex					Е	9	4		R: 7.2		S: Good	Grows from fenced off area; two co-dominant stems from 2m;	20 to 40
					S	4	4				B: Good	asymmetrical crown distribution due to suppression from	yrs
					W	3	4					neighbouring trees.	
9													
Norway Maple		7	1	340	N	3.5	2.5	SM	A: 52.3	Good	C: Good		B.1
Acer platanoides					Е	4	3		R: 4.08		S: Fair	Grows from verge on edge of track; potential compaction from	20 to 40
					S	4	3				B: Fair	vehicle access over root plate; previously crown lifted to 3m,	yrs
					W	4	3					wound diameter up to 100mm.	
10													
Common Ash		6	1	180	N	3	3	SM	A: 14.7	Fair	C: Good		B.1.2
Fraxinus excelsior					Е	3	3		R: 2.16		S: Good	Grows from hedge block, in close proximity to boundary wall;	20 to 40
					S	4	3				B: Fair	dieback in lower crown.	yrs
					W	4	3						
11													
Common Ash		8	1	270	N	4.5	3	SM	A: 33	Good	C: Fair		B.1.2
Fraxinus excelsior					Е	5	3		R: 3.24		S: Good	Grows in close proximity to track; potential compaction from	20 to 40
					S	5	3				B: Fair	vehicle access over root plate; visible from road.	yrs
					W	5	3					·	
12													
Common Holly		5	2	224 (Eq) N	1.5	0	SM	A: 22.6	Fair	C: Fair		C.1
Ilex aquifolium					Е	3	0		R: 2.68		S: Good	Grows in close proximity to track; potential compaction from	10 to 20
					S	2	0				B: Fair	vehicle access over root plate twin-stemmed from base.	yrs
					W	1	0						
13													
Common Holly		6	2	262 (Eq		3	2	SM	A: 31	Good	C: Fair		B.1
Ilex aquifolium					Е	3	2		R: 3.14		S: Fair	Grows in close proximity to track; potential compaction from	20 to 40
					S	3	2				B: Fair	vehicle access over root plate; two co-dominant stems from	yrs
					W	3	2					base; vertical suppression from neighbouring tree.	
Age Classifications:	N	Newly plant	ted	-	Mature	Э	С	ondit			S	Stems: Ø Diameter	
	Y	Young		M Matu					S			(Eq) Equivalent stem diameter using BS5837:2012 def	finition
	SM	Semi-matur	re	OM Over	Mature	•			В	Basal area	a		

Tree and Tag No	Hght	:	Stems		(Crown	1		RP	Phys	Structural	Preliminary Recommendations	Cat
Species	(m)	No	(m)		Sprea (m)		Clear (m)	Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
14													
Sycamore	20	2	700	(Eq)	N	7	5	М	A: 221.7	Good	C: Fair		B.1.2
Acer pseudoplatanus					Е	5	5		R: 8.4		S: Good	Grows in close proximity to track; potential compaction from	20 to 40
					S	9	5				B: Fair	vehicle access over root plate; two co-dominant stems from	yrs
					W	7	5					1m, with up to 1m of included bark at union; cable bracing of the two co-dominant stems at 15m.	
15													
Irish Yew	6	3	191	(Eq)	N	1.5	1	SM	A: 16.5	Good	C: Fair		C.1
Taxus baccata 'Fastigiata'					Е	2	1		R: 2.29		S: Fair	Grows in close proximity to car park; potential compaction	>40 yrs
					S	2	1				B: Fair	from vehicle access over root plate.	,
					W	2	1						
16													
Common Holly	7	1	230		N	2.5	2	SM	A: 23.9	Fair	C: Fair		C.1
Ilex aquifolium					Е	1.5	2		R: 2.75		S: Good	Grows in close proximity to car park edge; potential	10 to 20
					S	3	2				B: Fair	compaction from vehicle access over root plate; lower than	yrs
					W	3.5	2					average foliage density; asymmetrical crown distribution due to suppression from neighbouring tree.	
17													
Common Holly	5	2	347	(Eq)	N	3	4	М	A: 54.3	Good	C: Fair		B.1
Ilex aquifolium					Е	2	4		R: 4.15		S: Good	Grows from car park edge; potential compaction from vehicle	20 to 40
					S	1	4				B: Fair	access over root plate; two co-dominant stems from base;	yrs
					W	2	4					asymmetrical crown distribution due to suppression from neighbouring trees.	
18												Estimated Mo	easurements
Sycamore	18	1	300		N	2	5	Μ	A: 40.7	Good	C: Fair		B.1
Acer pseudoplatanus					Е	3	5		R: 3.59		S: Ivy	Off-site tree grows from neighbouring land; base not visible	20 to 40
					S	3	5				B: Not Visible	over boundary fence; 60% ivy coverage of stem; asymmetrical	yrs
					W	3	5					crown distribution due to suppression from neighbouring trees.	
19												Estimated Mo	easurements
Sycamore	18	3	374	(Eq)	N	2	5	М	A: 63.3	Good	C: Fair		B.1
Acer pseudoplatanus					Е	3	5		R: 4.48		S: Ivy	Off-site tree grows from neighbouring land; base not visible	20 to 40
					S	3	5				B: Not Visible	over boundary fence; 60% ivy coverage of stem; asymmetrical	yrs
					W	3	5					crown distribution due to suppression from neighbouring trees.	
Age Classifications:	N Newly plan	ited	EM E	Early M	1ature		-	Condi	tion: C	Crown	Ste	ems: Ø Diameter	
	Y Young		M N	Mature					S	Stem		(Eq) Equivalent stem diameter using BS5837:2012 de	finition
5	SM Semi-matu	ire	OM C	Over M	lature				В	Basal are	а		

Tree and Tag No		Hght	S	Stems		rown			RP	Phys	Structural	Preliminary Recommendations	Cat
Species		(m)	No	Ø (mm)	Spread (m)	l Clear (m)		Age	A (m²) R (m)	Condition	Condition	Survey Comment	ERC
20												Estimated Me	asurements
Common Lime		18	1	500	N	4	3	М	A: 113.1	Fair	C: Good		B.1.2
Tilia europaea					Е	4	3		R: 6		S: Ivy	Off-site tree; grows from neighbouring land; base not visible	20 to 40
					S W	4 4	3				B: Not Visible	over boundary fence; 60% ivy coverage of stem; tip dieback throughout crown.	yrs
21												Estimated Me	asurements
Sycamore		18	1	400	N	1	5	М	A: 72.4	Good	C: Fair		B.1.2
Acer pseudoplatanus					E	3	5		R: 4.8		S: Ivy	Off site two consumer waishing and the constraints	20 to 40
, ,					S	4	5				B: Not Visible	Off-site tree; grows from neighbouring land; base not visible over boundary fence; 80% ivy coverage of stem; asymmetrical	yrs
					W	2	5					crown distribution due to suppression from neighbouring tree.	•
22												Estimated Me	easurements
Sycamore		18	1	400	N	2	5	М	A: 72.4	Good	C: Fair		B.1.2
Acer pseudoplatanus					E	3	5		R: 4.8		S: Ivy	Off-site tree; grows from neighbouring land; base not visible	20 to 40
					S W	2	5 5				B: Not Visible	over boundary fence; 80% ivy coverage of stem; asymmetrical crown distribution due to suppression from neighbouring tree.	yrs
23													
Cedar of Lebanon		20	1	1370	N	14	0	М	A: 707	Good	C: Good		A.1.2.3
Cedrus libani					Е	11	0		R: 15		S: Good	Cuerra fuera levera ferral trace of eiter depos leve hancing conserve	>40 yrs
					S	15	0				B: Good	Grows from lawn; focal tree of site; dense low hanging canopy.	> 10 y13
					W	17	0						
24													
Holm Oak		10	1	850	N	7	0	М	A: 326.9	Good	C: Good		A.1.2.3
Quercus ilex					Е	8	0		R: 10.2		S: Good	Grows from lawn; surface roots visible to south, no apparent	>40 yrs
					S	8	0				B: Good	damage; several cavities in stem up to 100mm diameter,	, -
					W	8	0					previously occluded or surrounded by strong wood wound growth.	
25													
Mountain Ash		4	3	179 (Eq) N	1.5	2	SM	A: 14.5	Fair	C: Good		C.1
Sorbus aucuparia					Е	2	2		R: 2.14		S: Good	Grows from playground edge; three co-dominant stems from	10 to 20
					S	2	2				B: Fair	1m; lower than average foliage density.	yrs
					W	2	2					,	
Age Classifications:		lewly plant	ed	,	Mature		Co	ondit			Ste	ems: Ø Diameter	6 1 141
		oung		M Matur	-				S			(Eq) Equivalent stem diameter using BS5837:2012 de	finition
	SM S	Semi-matur	е	OM Over	iviature				В	Basal are	а		

Tree and Tag No	Halak	S	tems		Crown			RP	Dhua	Characharach	Preliminary Recommendations	Cat
Species	Hght (m)	No	Ø (mm)	Spre (m	_	Clear (m)	Age	A (m²) R (m)	Phys Condition	Structural Condition	Survey Comment	Cat ERC
26												
Whitebeam	4	1	120	N	1.5	2	Υ	A: 6.5	Good	C: Fair		C.1
Sorbus aria				Ε	2	2		R: 1.43		S: Fair	Grows from top of bank; future crown conflict with	20 to 40
				S	2	2				B: Good	neighbouring tree.	yrs
				W	2	2						•

Ī	Age Classifications:	N	Newly planted	EM	Early Mature	Condition:	С	Crown	Stems:	Ø	Diameter
		Υ	Young	М	Mature		S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
		SM	Semi-mature	OM	Over Mature		В	Basal area			