CSA environmental

BS5837:2012 TREE SURVEY SCHEDULE

LAND EAST OF TYE LANE, WALBERTON

PROJECT NUMEBR: C.2636

SURVEYOR: IAN HOWELL

DATE: JULY 2018

Barton Hyett Arboricultural Consultants

INDIVIDUAL TREES

Ref	Species	Height (m)	No. of Stems	Est diam?	Calc. / Actual Stem Dia. (mm)	Crown radii (m) N-E-S-W	Avg. Canopy Height (m)	1st branch ht (m)	1st branch dir.	Life Stage	General Observations	Health & vitality	Struct. cond.	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)	RPA m²	TPO
T1	Hornbeam	9.0	1	#	320	3.50-3.50-2.00-3.50	2.0	1	E	SM	Historically cut back from the field to the south otherwise typical for species and age. Located north of the site boundary.	Good	Fair	40+	B2	3.8	46	Yes
T2	Sugar maple	5.0	1	#	160	1.50-2.00-1.50-1.50	2.0	2	E	Y	Typical for species and age. Located north of the site boundary.	Good	Good	20+	C2	2.0	12	Yes
T3	Rowan	4.5	1	#	150	2.00-2.00-2.00-2.00	2.0	2	E	Y	Typical for species and age. Located north of the site boundary.	Good	Good	20+	C2	1.8	10	Yes
T4	Red Oak	11.5	1	#	360	6.50-6.00-2.00-4.00	2.0	3	E	SM	Crown bias to the north with an elder adjacent to the base of the tree. Located north of the site boundary.	Good	Fair	40+	B1	4.3	59	Yes
T5	Poplar	16.0	1	#	450	6.50-8.00-5.50-6.00	6.0	4	W	M	Cankering throughout canopy and on main stem. Located north of the site boundary.	Fair	Fair	20+	C2	5.4	92	Yes
T6	Poplar	16.0	1	#	350	8.00-5.50-4.50-4.50	7.0	5.5	S	EM	Ivy on main stem, small diameter deadwood throughout canopy, cankering throughout canopy. Located north of the site boundary.	Fair	Fair	20+	C2	4.2	55	Yes
T7	Red oak	13.0	1	#	380	8.00-5.00-4.00-6.50	2.0	2	S	EM	Crown bias to the north, otherwise typical for species and age. Located north of the site boundary.	Good	Good	40+	B1	4.5	65	No
T8	Cypress	4.5	1	#	100	2.00-2.00-1.00-2.00	0.2	0.2	N	SM	Historically cut back from the field to the south. Located north of the site boundary.	Good	Good	20+	C2	1.3	5	No
T9	Lime	115.0	1	#	390	6.00-5.00-3.00-5.00	1.5	1	E	EM	Historically cut back from the field to the south. Located north of the site boundary.	Good	Good	40+	B2	4.7	69	No
T10	Cherry plum (purple leaf)	5.5	1	#	200	4.00-4.00-4.00-4.00	2.0	1	W	SM	North of the site boundary by 4.5m. Typical for species and age. Located north of the site boundary.	Good	Good	20+	B2	2.4	18	Yes
T11	Cherry	6.0	1	#	200	4.50-4.50-4.00-4.50	2.0	1.5	S	SM	Typical for species and age. Located north of the site boundary by 4m.	Good	Good	20+	B2	2.4	18	Yes
T12	Sweet chestnut	6.5	1	#	350	6.00-5.50-3.00-5.50	1.8	2	N	EM	Tree has been historically cut back from the field to the south. Otherwise typical for species and age. Located north of the site boundary.	Good	Good	40+	B1	4.2	55	Yes

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T13	Cherry	7.5	1	#	220	5.00-5.00-2.00-5.00	1.5	2	N	EM	Tree has been historically cut back from the field to the south. Otherwise typical for species and age. Located north of the site boundary.	Good	Good	20+	B2	2.6	22	Yes
T14	Pin oak	7.5	1	#	180	5.00-5.00-4.00-5.00	2.0	2	W	SM	Typical for species and age. Located north of the site boundary.	Good	Good	40+	B1	2.2	15	Yes
T15	Whitebeam	6.0	1	#	190	4.50-4.00-1.50-4.00	1.0	0.8	W	SM	Historically cut back from the field to the south. Otherwise typical for species and age. Located north of the site boundary.	Good	Good	40+	B2	2.3	16	Yes
T16	Norway maple	7.5	1	#	200	4.50-4.00-1.50-4.00	1.0	2.5	N	SM	Historically cut back from the field to the south. Otherwise typical for species and age. Located north of the site boundary.	Good	Good	40+	B2	2.4	18	Yes
T17	Larch	9.0	1	#	170	3.00-3.00-3.00-3.00	2.5	2.5	N	SM	Typical for species and age. Located north of the site boundary.	Good	Good	40+	B2	2.0	13	Yes
T18	Poplar	19.0	1	#	400	8.00-6.50-6.50-7.00	6.5	4.5	E	EM	Some cankering of secondary and tertiary branches throughout upper canopy. Located north of the site boundary.	Good	Fair	20+	C2	4.8	72	Yes
T19	English oak	12.0	1	#	650	8.00-7.00-8.00-8.00	6.0	3	S	M	Broadly spreading form. Historically cut back from the field to the east. Located east of the site boundary.	Good	Good	40+	B1	7.8	191	Yes
T20	Field maple	14.0	1	#	500	7.00-6.00-6.00-6.50	6.0	1	W	M	Historically cut back from the field to the east. Otherwise typical for species and age.	Good	Good	40+	B1	6.0	113	Yes
T21	Field maple	11.0	1	#	400	6.00-6.50-5.00-4.00	4.5	2	S	M	Historically cut back from the field to the east. Located amongst linear group of trees.	Fair	Good	20+	B2	4.8	72	Yes
T22	Sycamore	15.0	2	#	350	6.00-6.00-6.50-6.50	5.0	2.5	S	EM	Possibly 2 trees forming a cohesive canopy. No access to stem base. Historically cut back from the field to the east.	Good	Good	40+	B2	4.2	55	Yes
T23	Holm oak	18.0	2	#	880	9.00-8.50-9.00-9.00	0.5	4	W	M	Significant tree with no visible defects.	Good	Good	40+	A1	10.6	350	Yes
T24	Monterey Pine	22.0	1	#	750	6.00-7.00-6.00-6.50	8.0	7	S	M	Significant tree with a large stem diameter and no visible defects.	Good	Good	40+	A2	9.0	255	Yes
T25	Lime	18.0	1	#	650	8.50-8.00-8.00-8.50	2.0	Not known	Not known	M	Significant tree with no visible defects.	Good	Good	40+	A1	7.8	191	Yes
T26	English oak	12.0	1	#	190	5.00-4.00-0.50-4.00	5.0	6	N	SM	Suppressed by neighbouring trees.	Good	Fair	40+	C2	2.3	16	Yes

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T27	Field maple	11.0	1	#	190	5.00-4.00-0.50-4.00	5.0	5	N	SM	Suppressed by neighbouring trees.	Good	Fair	20+	C2	2.3	16	Yes
T28	English oak	18.0	1	-	1170	7.50-11.30-12.00-6.00	5.5	4	S	M	Significant tree, large diameter branch tear out at 4m W. Good formation of new growth around the historic tear out indicating the tree has good vigour.	Good	Good	40+	A2	14.0	619	No
T29	Copper beech	15.0	1	#	400	6.00-4.00-6.00-4.00	2.0	2	N	EM	Suppressed by neighbouring trees. Otherwise typical for species and age. Located south of the site boundary.	Good	Good	40+	B2	4.8	72	No
T30	Grey poplar	21.0	1	#	550	11.00-7.00-10.00-8.00	5.0	6	S	M	Tree overhanging the site by 10m. Large diameter partially failed branch hanging in canopy at 10m over the site perimeter. Located south of the site boundary.	Fair	Fair	20+	C2	6.6	137	No
T31	Lombardy poplar	21.0	1	#	320	3.00-3.00-3.00-3.00	3.0	0.5	S	EM	Typical for species and age. Located south of the site boundary.	Good	Fair	20+	C2	3.8	46	No
T32	Norway maple	15.0	1	#	400	7.00-7.00-7.00-7.00	6.0	2	E	M	Typical for species and age. Located south of the site boundary.	Good	Good	40+	B2	4.8	72	No
T33	English oak	9.0	1	#	200	4.00-4.00-4.00-4.00	3.0	Not known	Not known	SM	Typical for species and age. Located south of the site boundary.	Good	Good	40+	B1	2.4	18	Yes
T34	Grey Poplar	9.0	1	#	300	5.00-3.00-5.00-5.00	4.0	4	N	EM	Tree has lost its apically dominant stem. Ivy throughout canopy. Located east of the site boundary.	Fair	Poor	10+	C1	3.6	41	Yes
T35	Grey poplar	15.0	1	#	350	7.00-4.50-5.00-7.00	6.0	6.5	N	M	Tree in poor condition with numerous branch tear outs. Large diameter partially failed branch over hedgerow. Located east of the site boundary.	Fair	Poor	10+	C2	4.2	55	Yes
T36	English oak	7.0	1	#	250	6.00-5.00-3.50-4.00	4.0	Not known	Not known	SM	Establishing tree suppressed by neighbouring poplar. Located east of the site boundary.	Good	Good	40+	B2	3.0	28	Yes
T37	Lombardy poplar	20.0	1	#	450	4.00-4.00-4.00-4.00	4.0	2	W	M	Ivy throughout canopy. Dead branch suspenDutch Elm Disease at 4m over the hedgerow. Located east of the site boundary.	Good	Good	20+	B2	5.4	92	Yes
T38	Horse chestnut	18.0	1	-	1070	8.00-7.50-8.00-7.50	2.0	2	S	M	Significant tree with no visible defects. Elder group has established around the base of the tree.	Good	Good		A1	12.8	518	Yes

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T39	English oak	16.5	1	-	1400	9.50-8.00-11.00-10.00	5.0	3	S	M	Significant tree with no visible defects other than medium diameter historic branch tear outs in the N canopy. Crown is slightly more sparse in foliage in comparison to the neighbouring oak.	Good	Good	40+	A2	1.7	9	Yes
T40	English oak	18.0	1	-	1280	13.00-11.00-11.50-9.50	5.0	4	S	M	Significant tree with no visible defects, forming a cohesive canopy with the neighbouring oak.	Good	Good	40+	A2	15.0	707	Yes
T41	Weeping willow	10.0	1	#	200	5.50-5.50-4.00-5.50	1.0	3	S	SM	Within neighbouring property. Overhanging the site by up to 5m. Difficult to determine the site boundary due to ruderal vegetation.	Good	Fair	20+	C2	2.4	18	No
T42	Silver birch	15.0	1	#	350	7.00-6.00-5.50-6.50	5.0	4	W	M	Located within neighbouring property. Although unable to determine the site boundary due to dense ruderal vegetation.	Good	Good	20+	B1	4.2	55	No

GROUPS OF TREES

Ref	Species	Height range (m)	No. of trees	Est diam?	Max stem diam (mm)	Av. Crown radius (m)	Avg. Canopy Height (m)	Life Stage	General Observations	Health & vitality	Struct. cond.	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)	TPO
G1	Cypress, oak, maple	8-9	5	#	200	3	1.0	SM	Linear group of Screening trees, all have been historically unsympathetically pruned. Located north of the site boundary.	Good	Fair	20+	C2	2.4	Yes
G2	Sycamore, ash	10-11	4	#	380	5	2.0	EM	All trees of uniform size and age, partially forming a cohesive canopy. Located north of the site boundary.	Good	Good	40+	B2	4.5	Yes
G3	Hawthorn, hazel, elder	4.5-6	5	-	150	2.5	0.5	SM	All trees form a low level screen and have historically been cut back from the field to the south. Located north of the site boundary.	Good	Good	20+	B2	1.8	No
G4	Sycamore	11-12	2	#	360	4.5	1.5	EM	Trees of uniform age and form forming a cohesive canopy. Located north of the site boundary.	Good	Good	40+	B2	4.3	No
G5	Sycamore	12-13	2	#	380			EM	Trees of uniform age and form. Located north of the site boundary.	Good	Good	40+	B2	4.5	No
G6	Hawthorn, elder	3-5	6	#	150	2	1.0	SM	Low level screening trees. Historically cut back from the field to the south. Located north of the site boundary.	Fair	Fair	20+	C2	1.8	Yes
G7	Lombardy poplar	15-16	3	#	400	3	1.5	SM	Trees evenly spaced at approx 12m apart. Uniform age and form.	Good	Good	40+	B2	4.8	Yes

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G8	Cypress	5-6	9	#	150	2	0.5	SM	Low level screening trees. Historically cut back from the field to the south. Located north of the site boundary.	Good	Good	20+	C2	1.8	Yes
G9	White willow	19-20	3	#	600	8.5	5.0	M	Ivy throughout lower canopies. Two of the three appear to have low unions. Located north of the site boundary.	Good	Fair	40+	B2	7.2	Yes
G10	Poplar	18-19	2	#	350	5	6.0	EM	Ivy on stems to 8m, chlorotic and sparse foliage. Located north of the site boundary.	Fair	Fair	20+	C2	4.2	Yes
G11	Holly, laurel, holm oak, elder, sycamore	5-15	50+	#	300	4	1.0	SM	Densely planted linear belt of trees forming a shelter belt with a cohesive canopy. Mixed cat. B and cat. C trees. Some trees are showing signs of stress/decline.	Good	Fair	20+	B2	3.6	Yes
G12	Sycamore, ash, hawthorn	8.5-15	5	#	350	5.5	6.0	M	Group of trees located within neighbouring property which form a cohesive canopy. Located south of the site boundary.	Good	Good	40+	B2	4.2	Yes
G13	Poplar, goat willow, holly	6-10	4	#	450	6	5.0	M	Group forming a cohesive canopy, historically cut back from the field to the north.	Good	Fair	20+	C2	5.4	Yes
G14	English elm	10-12	2	#	250	5.5	2.0	SM	Forming an understorey to the mature pine. Of an age likely to succumb to Dutch Elm Disease. Located south of the site boundary.	Good	Fair	10+	C2	3.0	Yes
G15	Field maple	11-13	18-20	#	280	5	4.5	EM	Located 1m within the school boundary. Trees of uniform age and species forming a cohesive canopy.	Good	Good	40+	B2	3.3	Yes
G16	Lombardy poplar	16-18	12	#	300	4	5.0	EM	Located 1m within the school boundary. Group of uniform species and age forming a cohesive canopy.	Good	Good	40+	B2	3.6	Yes
G17	Lime, oak,	12-16	21	#	350	6.5	5.5	EM	All trees located 1m within the school boundary. Of uniform age and form, forming a cohesive canopy.	Good	Good	40+	B2	4.2	Yes
G18	Hawthorn, elm	7-8	4	#	180	3	4.0	SM	Low level screening trees. Located south of the site boundary.	Good	Fair	20+	C2	2.2	No
G19	Grey Poplar, hybrid poplar, lombardy poplar	20-22	3	#	680	9	6.0	M	Mixed species poplar group all with branch union defects, giving them the potential to shed branches onto the site. Located south of the site boundary.	Good	Poor	20+	C2	8.2	No
G20	Lombardi poplar	15-16	2	#	320	3	2.0	EM	Trees of uniform age and form, ivy throughout canopies.	Good	Fair	20+	C2	3.8	Yes
G21	Cherry	9-10	2	#	250	4	0.5	EM	Both trees have low main unions and form a cohesive canopy. Borderline cat C/B.	Good	Fair	20+	C2	3.0	No
G22	Norway maple, sycamore, poplar, ash, rowan.	6-17	14	#	400	6	3.0	EM	Linear group forming the southern half of an avenue parallel to the golf club entrance road. Located north of the site boundary.	Good	Good	40+	B2	4.8	No

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G23	English elm, hawthorn	6-8	25+	#	100	3.5	1.5	Y	Predominantly young elm with the occasional hawthorn interspersed throughout. All elm of an age likely to succumb to Dutch Elm Disease.	Fair	Fair	<10	C2	1.3	No

HEDGES

Ref	Species	Av. Height (m)	Av. width (m)	Av. Stem diam (mm)	Avg. Canopy Height (m)	Life Stage	General Observations	Health & vitality	Struct. cond.	Estimated Remaining Contribution (Years)	BS5837 Category	RPA Radius (m)
H1	English elm, hawthorn	7.0	5.0	100	0.5	SM	Outgrown hedgerow, predominantly elm of an age likely to succumb to Dutch Elm Disease. Falls within TPO boundary.	Fair	Good	10+	C2	1.3
H2	Holly	6.5	3.0	120	0.2	EM	Outgrown hedgerow, trimmed up to 4.5m. Falls within TPO boundary.	Good	Fair	40+	B2	1.5
H3	Hawthorn	2.5	1.5	50	0.5	SM	Regularly maintained boundary hedge located 1m outside (W) of site perimeter. Falls within TPO boundary.	Good	Good	40+	B2	0.6
H4	Hawthorn, ash, elder	4.5	3.0	90	0.5	SM	Outgrown hedgerow with significant gaps between trees. Falls within TPO boundary.	Good	Fair	20+	C2	1.1

Notes:
Where trees are believed to be the subject to Tree Preservation Order more detailed checks will be required in some instances in order to confirm exact boundaries for the area covered by each TPO.