Trees at former Monaghan Mushrooms, 74 Storrington Road, Thakeham, Pulborough RH20 3DY

Tree No.	Species	Ht (m)	Branch Spread (m) N	E	S	W	Stem diameters (cm) Single Stem	2-5 stems Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	No. stems	More than 5 stems No. stems	Height of crown clearance (m)	Height of first major branch & direction (m and direction of growth)	Age class	Condition Physiological / Structural	Preliminary management recommendations	Category grading	Estimated remaining contribution (yrs)	Root protection radius (m)	Root protection area sq.m
1	Ash	18	2	7	6	6		50e	50e	60e					7	7S	E	U	Suppressed by adjoining oak. Showing signs of Ash Dieback. One stem has failed in the past. All stems covered in ivy.		U	+10	11.13	389
2	Field maple	6	3	2	1	5	25e								2	2Nw	S	C1	Small tree suppressed by neighbouring larger specimens.		C1	+10	3.00	28
3	English oak	17	2	7	4	9	69								2	2NW	E	A2	Forms part of a group of similar sized trees along Storrington Road.		A2	+40	8.28	215
4	English oak	18	8	11	8	13	120e								3	3S	M	A2	Forms part of a group of similar sized trees along Storrington Road. Main stem and limb structure smothered in ivy. Broad spreading form. No significant decay pockets or defects.		A2	+40	14.40	652
5	English oak	18	7	11	7	10	90e								5	5W	M	A2	Lower stem partially smothered in ivy. Some deadwood within crown. Some damage to buttress roots. Forms part of a group of similar sized trees along Storrington Road.	Remove deadwood in excess of 25mm diameter.	A2	+40	10.80	366
6	English oak	17	6	8	4	8	85e								4	4E	M	A2	Forms part of a group of similar sized trees along Storrington Road. Lower stem smothered in ivy		A2	+40	10.20	327
7	English oak	16	4	6	7	9	75e								3	3E	M	A2	Forms part of a group of similar sized trees along Storrington Road. Lower stem smothered in ivy. Growing amidst bramble and shrubbery.		A2	+40	9.00	255
8	English oak	20	11	11	9	9	99								7	7SW	M	A2	Forms part of a group of similar sized trees along Storrington Road. Broad spreading form.		A2	+40	11.88	443
9	Row of English oak	17w		9w			70w								5	5W	M	A2	Visually significant row of trees to east of Storrington Road. Understorey of hawthorn, blackthorn, hazel and holly. Group contains occasional leyland cypress.		A2	+40	8.40	222
10	Group of conifers	10w		3w			20w								0	-	S	C2	Group of small conifers at edge of tarmac area. No tree of any particular merit.		C2	+10	2.40	18
11	Mixed broadleaf hedgerow	9w		3w			20w								0	-	E	B2	Established but outgrown hedgerow along Storrington Road. Mixed species including hawthorn, hazel, field maple, dogwood and occasional ash. Appears to have been recently planted.		B2	+20	2.40	18
12	Row of English oak	17w		9w			70w								5	5W	M	A2	Visually significant row of trees to east of Storrington Road. Understorey of hawthorn, blackthorn, hazel and holly. Group contains occasional Leyland cypress.		A2	+40	8.40	222
13	Ash	11	7	5	6	6	65e								3	3W	E	U	Showing signs of Ash Dieback. Ivy smothered. Unsuited to long term retention	Remove.	U	+10	7.80	191
14	Group of mixed broadleaves	16w		7w			40w								0	-	E	B2	Established belt of trees growing on steep bank to east of Storrington Road. Predominantly sycamore some hazel and blackthorn		B2	+20	4.80	72
15	Group of mixed broadleaves	16w		7w			40w								0	-	E	B2	Group of trees growing on bank to west of Storrington Road. Mostly smothered in ivy. Species include sycamore, ash, hawthorn and English oak.		B2	+20	4.80	72
16	Mixed broadleaf copse	13w		5w			25w								0	-	S	B2	Recently established clump of trees growing in northeast corner of site. Species include ash, English oak, cherry and field maple. Ash showing signs of Ash Dieback.		B2	+20	3.00	28
17	Group of lombardy poplar	23w		7w			80w								4	4S	E	C2	Group of tall trees growing on field margin. All attaining proportions where they are liable to stem failure.		C2	+10	9.60	290
18	Mixed broadleaf hedgerow	6w		3w			15w								0	-	E	B2	Established but outgrown hedgerow along margin of field. Species include hawthorn, blackthorn, sycamore and occasion English oak. Punctuated by some larger trees. Would benefit from being brought back under management.		B2	+20	1.80	10
19	Group of horse chestnut	12w		6w			45w								2	2S	E	B2	Group of larger trees growing within hedgerow.		B2	+20	5.40	92
20	Sycamore	13	6	7	6	4	45e								4	4S	E	B2	Larger component of hedgerow.		B2	+20	5.40	92
21	Sycamore	17	8	9	8	6	65e								0	-	E	B2	Larger component of hedgerow. Has been pruned to maintain clearance of overhead wires. Main stem covered in ivy.		B2	+20	7.80	191
22	Pair of silver birch	13w		6w			45w								3	3S	E	B2	Pair of close growing trees within hedgerow. Both stems smothered in ivy.		B2	+20	5.40	92
23	Sycamore	16	10	7	9	9	75e								2	2Nw	E	B2	Larger component of hedgerow. Main stem smothered in ivy.		B2	+20	9.00	255
24	Goat willow	7	0	7	7	7	50e								2	2S	E	C1	Suppressed by adjoining larger sycamore.		C1	+10	6.00	113
25	Group of hybrid poplar	20w		6w			70w								7	7S	E	C2	Group of large trees growing at edge of hedgerow. All stems covered in ivy. Attaining proportions where branches become fragile.		C2	+10	8.40	222
26	Sycamore	14	3	6	6	6	55e								3	3SE	E	C2	Suppressed by adjoining trees. Main stem covered in ivy		C2	+10	6.60	137
27	Sycamore	14	6	2	5	6	45e								4	4W	E	C2	Suppressed by adjoining trees. Main stem covered in ivy		C2	+10	5.40	92
28	Mixed broadleaf hedgerow	6w		2w			10w								0	-	E	B2	Established but outgrown hedgerow at edge of field. Predominantly hawthorn with some elder and sycamore saplings. Would benefit from being brought back under management.		B2	+20	1.20	5
29	Group of sycamore	11w		7w			50w								2	2S	S	B2	Group of trees in garden to north of site.		B2	+20	6.00	113
30	Raywood ash	10	7	7	7	7	50e								2	2S	S	B1	Established tree growing in garden to north of site.		B1	+20	6.00	113
31	Mixed broadleaf hedgerow	2w		1w			10w								0	-	E	B2	Established hedgerow growing within garden to north of site. Species include a variety of ornamental shrubs including bay, philadelphus and aucuba.		B2	+20	1.20	5
32	Group of mixed broadleaves	13w		6w			40w								2	2S	E	B2	Established group of trees growing within garden to north of site. Species include walnut, beech, ash, whitebeam, birch and Scots pine.		B2	+20	4.80	72
33	English oak	15	8	8	8	6	60e								3	3SE	E	B1	Well formed tree growing just beyond boundary of site.		B1	+20	7.20	163
34	Ash	15	8	8	7	7	55e								2	2SE	E	B1	Established tree growing in garden to north of site.		B1	+20	6.60	137
35	Mixed broadleaf hedgerow	2w		1w			10w								0	-	S	B2	Established hedgerow at edge of site. Species include elm, hawthorn and hazel.		B2	+20	1.20	5
36	Mixed tree belt	12w		5w			30w								0	-	S	B2	Recently established belt of trees including a variety of species such as English oak, cherry, Scots pine, ash, whitebeam, hornbeam and field maple.		B2	+20	3.60	41
37	Mixed broadleaf tree belt	16w		9w			60w								0	-	M	A2	Established older belt of trees along northern boundary of site. Associated with historical earth works. Larger species include English oak and ash. Understorey of cherry, hawthorn and field maple.		A2	+40	7.20	163
38	Mixed broadleaf tree belt	14w		6w			25w								0	-	S	B2	Established belt of recently planted trees growing to south of bridleway at northern edge of site. Trees probably planted to provide some screening between the bridleway and the mushroom compost facility. Species include English oak, ash, cherry, hawthorn, field maple and hornbeam		B2	+20	3.00	28
39	Mixed broadleaf tree belt	14w		7w			35w								0	-	E	B2	Established belt of recently planted trees growing at edge of site. Species include English oak, ash, hawthorn, hazel and silver birch. Ash starting show signs of Ash Dieback.		B2	+20	4.20	55
40	Silver birch	11	4	3	3	4	26								2	2W	S	C1	Small tree growing amidst nettles at edge of field.		C1	+10	3.12	31
41	Row of leyland cypress	14w		6w			50w								0	-	E	U	All attaining proportions where stems are failing. Unsuited to long term retention. Possibly originally planted to screen a building that has since been demolished.		U	+10	6.00	113
42	Mixed broadleaf tree belt	17w		9w			50w								0	-	E	B2	Established band of trees growing just beyond fence line. Predominantly ash with some field maple and English oak.		B2	+20	6.00	113
43	Group of cherry	9w		4w			15w								0	-	Y	C2	Group of small self set trees growing at edge of field.		C2	+10	1.80	10
44	Mixed broadleaf tree belt	17w		8w			60w								0	-	E	B2	Established belt of trees between fields. Species include ash, English oak, field maple, cherry and hawthorn.		B2	+20	7.20	163
45	Mixed broadleaf tree belt	14w		7w			35w								0	-	E	B2	Established belt of recently planted trees growing at edge of site. Species include English oak, ash, hawthorn, hazel and silver birch. Ash starting show signs of Ash Dieback.		B2	+20	4.20	55
46	Row of mixed broadleaf	15w		7w			40w								2	2S	E	B2	Recently established belt of trees growing just beyond fence line. Predominantly ash with some field maple, cherry, hawthorn, alder, lime and English oak and goat willow.		B2	+20	4.80	72
47	Mixed broadleaf hedgerow	3w		1w			10w								0	-	E	B2	Established but outgrown hedgerow in corner of field. Mixed species including hawthorn, blackthorn and field maple.		B2	+20	1.20	5
48	Pair of English oak	11w		9w			95w								3	3S	M	A2	Pair of close growing trees at field margin. Crowns contiguous. Some large sections of deadwood within crown.		A2	+40	11.40	408
49	Mixed broadleaf hedgerow	6w		3w			15w								0	-	E	B2	Established but outgrown hedgerow at edge of field. Species include hazel, goat willow, blackthorn and hawthorn.		B2	+20	1.80	10
50	Group of goat willow	10w		5w			15w								0	-	Y	C2	Dense band of vegetation between track and field.		C2	+10	1.80	10
51	Row of English oak	19w		11w			85w								3	3E	M	A2	Linear collection of larger oak trees growing just beyond ditch line. Remnants of hedgerow at base with include hawthorn, blackthorn and hazel.		A2	+40	10.20	327
52	Mixed tree belt	14w		5w			35w								0	-	E	B2	Established but sporadic line of trees along field boundary. Species include lime, alder, holly, ash and cherry. Ash showing signs of Ash Dieback. Interspersed with occasional hawthorn and field maple.		B2	+20	4.20	55
53	English oak	18	9	11	11	10	95e								3	3W	E	A1	Broad spreading tree growing within hedge line. Some small decay pockets.		A1	+40	11.40	408
54	Row of English oak	18w		10w			75w								0	-	E	B2	Prominent row of trees along field boundary. All closely spaced. Understorey of hawthorn, blackthorn, hazel and goat willow.		B2	+20	9.00	255
55	Group of mixed broadleaves	7w		3w			15w								0	-	Y	C2	Group of trees growing on mound within field. All growing within dense brambles. Species include elder, hybrid poplar, cherry and goat willow.		C2	+10	1.80	10
56	English oak	10	5	5	5	5	27								0	-	Y	C1	Small tree growing at southern end of copse.		C1	+10	3.24	33
57	Group of English oak	14w		8w			60w								2	2S	E	B2	Group of three trees forming contiguous crown. All growing amidst dense bramble.		B2	+20	7.20	163
58	Group of leyland cypress	6w		3w			15w								0	-	S	U	Most trees dead or dying.		U	+10	1.80	10
59	Group of mixed broadleaves	9w		5w			25w								0	-	S	B2	Contribute to vegetation at edge of field. Species include hawthorn, cherry, elder and holly. Cherry laurel also present.		B2	+20	3.00	28
60	Group of sycamore	18w		9w			60w								2	2Nw	E	B2	Small block of trees at edge of field. Understorey of elder and cherry laurel.		B2	+20	7.20	163
61	Group of goat willow	9ab		4w			15w								0	-	S	C2	Group of self set specimens at edge of field		C2	+10	1.80	10
62	Leyland cypress hedge	5w		1w			15w								0	-	S	B2	Established hedgerow offering screening between residential properties and field.		B2	+20	1.80	10
63	English oak	19	10	11	12	11	110e								2	2S	M	A1	Prominent broad spreading tree that appears to be growing in adjoining property.		A1	+40	13.20	547
64	Leyland cypress hedgerow	11w		2w			20w								0	-	E	C2	Established but outgrown hedgerow. If allowed to continue to grow the hedge will reach proportions where stem is likely to fail.		C2	+10	2.40	18
65	Ash	18	10	11	10	10	95e								5	5N	E	C1	Established tree that appears to be growing in adjoining garden. Showing signs of Ash Dieback.		C1	+10	11.40	408
66	Group of mixed broadleaves	13w		6w			30w								0	-	S	C2	Group of smaller trees growing between parcels of land. All growing amidst dense brambles. Species include sycamore, ash, English oak and goat willow		C2	+10	3.60	41
67	Ash	15	6	7	7	9	67								2	2W	E	C1	Showing signs of Ash Dieback. One stem has failed and resting in adjoining tree. Unsuited to long term retention.		C1	+10	8.04	203
68	Sycamore	14	5	5	2	5		30e	30e	30e					2	2Nw	S	C1	Asymmetric development due to competition to adjoining tree. Growing amidst dense brambles.		C1	+10	6.24	122
69	Sycamore	9	3	3	3	3	22								2	2Nw	S	C1	Small tree growing amidst dense bramble.		C1	+10	2.64	22
70	Sycamore	13	8	6	7	7	45e								2	2Nw	E	C1	Small tree growing amidst conifer hedge.		C1	+10	5.40	92
71	Mixed broadleaf tree belt	13w		6w			25w								0	-	S	B2	Established block of trees at edge of site. Species include field maple, ash, sycamore, hawthorn, English oak and hornbeam.		B2	+20	3.00	28
72	Row of Lombardy poplar	26w		6w			90w								0	-	M	U	Large examples of species and attaining a size where they are vulnerable to failure. Tree second from eastern end of row has failed and fallen through the adjoining industrial building. Trees unsuited to long term retention.		U	+10	10.80	366
73	English oak	9	4	4	4	4	18e								2	2S	S	C1	Small tree growing in adjoining field.		C1	+10	2.16	15
74	Row of mixed broadleaves	17w		8w			70w								0	-	E	B2	Established line of trees beyond site. Taller trees consist of ash and English oak. Understorey of hazel, hawthorn and blackthorn.		B2	+20	6.40	222

KEY TO TREE SCHEDULE

Column Heading	Explanation
Tree No.	Unique number corresponding with number on plan
Species	English names
Ht (m)	Height in metres
Branch Spread	Crown radius in metres to cardinal points of the compass
Stem Dia	All measurements conform to Annex C of BS 5837:2012 Single stem - Stem diameter in centimetres measured at 1.5m above ground level. Multi-stemmed tree with 2 to 5 stems - Diameter of each stem Multi-stemmed tree with more than 5 stems - Average stem diameter and number of stems
Height of crown clearance	Height in metres between the ground and underside of canopy
Height of first major branch and direction of growth	Height from ground level to base of first major branch and the approximate direction of growth
Abbreviations as suffix to a dimension	Suffix 'e' denotes an estimated dimension Suffix 'av' denotes an average dimension
Age Class	Age Class definitions: Y = Young S = Semi-mature E = Early mature M = Mature O = Over mature
Category grading and Estimated remaining Contribution (yrs)	Summary of BS 5837: 2012 categorisation: 1. Trees unsuitable for retention: U = those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer that 10 years 2. Trees to be considered for retention: A1, 2 or 3 = trees of high quality (substantial contribution +40 yrs) B1, 2 or 3 = trees of moderate quality (significant contribution +20 yrs) C1, 2 or 3 = trees of low quality (but adequate, ie +10 yrs or young trees - until new planting can be established)
Estimated remaining contribution	Note: Useful estimated remaining contribution of the tree or tree group based on figures stated in BS5837:2012
Condition	Brief description including physiological and structural defects
Preliminary management recommendations	Describes current arboricultural requirement for the tree in its current context.
Root Protection Radius	Radius of minimum root protection area in metres calculated from section 4.6 and Annex D of BS5837:2012
Root Protection Area	Total area of minimum root protection area extrapolated from root protection radius

Rev	Description	Date
0	Preliminary issue	29.06.23

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Client
BELLWAY HOMES LIMITED

Project
LAND AT FORMER MONAGHAN MUSHROOMS FARM, STORRINGTON ROAD, THAKEHAM

Title
TREE CONSTRAINTS PLAN

Date	Scale
JUNE 2023	1:1000@A0
Drawn by: ML	Checked by: JTK

Drawing Number
2142-KC-XX-YTREE-TCP01Rev0