Schedule of trees at former Thakeham Mushroom Site, Thakeham

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	More than 5 stems Mean dia	No. stems	Height of crown clearance (m)	Height of first branch (m) and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Tree Works to BS3998	Root protection radius (m)	Root protection area sq.m
1	Ash	18	2	7	6	6		50e	50e	60e					7	7S	E	U	<10	Suppressed by adjoining oak. Showing signs of Ash Dieback. One stem has failed in the past. All stems covered in ivy.	Remove.	11.13	389
2	Field maple	6	3	2	1	5	25e								2	2Nw	S	C1	>10	Small tree suppressed by neighbouring larger specimens.		3.00	28
3	English oak	17	2	7	4	9	69								2	2NW	E	A2	>40	Forms part of a group of similar sized trees along Storrington Road.		8.28	215
4	English oak	18	8	11	8	13	120e								3	3S	M	A2	>40	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.		14.40	652
5	English oak	18	7	11	7	10	90e								5	5W	M	A2	>40	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.	10.80	366
6	English oak	17	6	8	4	8	85e								4	4E	M	A2	>40	Forms part of a group of similar sized trees along Storrington Road. Lower stem smothered in ivy.		10.20	327
7	English oak	16	4	6	7	9	75e								3	3E	M	A2	>40	Forms part of a group of similar sized trees along Storrington Road. Lower stem smothered in ivy. Growing amidst bramble and shrubbery.		9.00	255
8	English oak	20	11	11	9	9	99								7	7SW	M	A2	>40	Forms part of a group of similar sized trees along Storrington Road. Broad spreading form.		11.88	443
9	Row of English oak	17av	9av				70av								5	5W	M	A2	>40	Visually significant row of trees to east of Storrington Road. Understorey of hawthorn, blackthorn, hazel and holly. Group contains occasional leyland cypress.		8.40	222
10	Group of conifers	10av	3av				20av								0	-	S	C2	>10	Group of small conifers at edge of tarmac area. No tree of any particular merit.		2.40	18
11	Mixed broadleaf hedgerow	9av	3av				20av								0	-	E	B2	>20	Established but outgrown hedgerow along Storrington Road. Mixed species including hawthorn, hazel, field maple, dogwood and occasional ash. Appears to have been recently planted.	Remove section as shown.	2.40	18
12	Row of English oak	17av	9av				70av								5	5W	M	A2	>40	Visually significant row of trees to east of Storrington Road. Understorey of hawthorn, blackthorn, hazel and holly. Group contains occasional Leyland cypress.		8.40	222
13	Ash	11	7	5	6	6	65e								3	3W	E	U	<10	Showing signs of Ash Dieback. Ivy smothered. Unsuited to long term retention.		7.80	191
14	Group of mixed broadleaves	16av	7av				40av								0	-	E	B2	>20	Established belt of trees growing on steep bank to east of Storrington Road. Predominantly sycamore some hazel and hawthorn.		4.80	72
15	Group of mixed broadleaves	16av	7av				40av								0	-	E	B2	>20	Group of trees growing on bank to west of Storrington Road. Mostly smothered in ivy. Species include sycamore, ash, hawthorn and English oak.		4.80	72
16	Mixed broadleaf copse	13av	5av				25av								0	-	S	B2	>20	Recently established copse of trees growing in northeast corner of site. Species include ash, English oak, cherry and field maple. Ash showing signs of Ash Dieback.		3.00	28
17	Group of lombardy poplar	23av	7av				80av								4	4S	E	C2	>10	Group of tall trees growing on field margin. All attaining proportions where they are liable to stem failure.		9.60	290
18	Mixed broadleaf hedgerow	6av	3av				15av								0	-	E	B2	>20	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.		1.80	10
19	Group of horse chestnut	12av	6av				45av								2	2S	E	B2	>20	Group of larger trees growing within hedgerow.		5.40	92
20	Sycamore	13	6	7	6	4	45e								4	4S	E	B2	>20	Larger component of hedgerow.		5.40	92
21	Sycamore	17	8	9	8	6	65e								0	-	E	B2	>20	Larger component of hedgerow. Has been pruned to maintain clearance of overhead wires. Main stem covered in ivy.		7.80	191
22	Pair of silver birch	13av	6av				45av								3	3S	E	B2	>20	Pair of close growing trees within hedgerow. Both stems smothered in ivy.		5.40	92
23	Sycamore	16	10	7	9	9	75e								2	2Nw	E	B2	>20	Larger component of hedgerow. Main stem smothered in ivy.		9.00	255
24	Goat willow	7	0	7	7	7	50e								2	2S	E	C1	>10	Suppressed by adjoining larger sycamore.		6.00	113
25	Group of hybrid poplar	20av	6av				70av								7	7S	E	C2	>10	Group of large trees growing at edge of hedgerow. All stems covered in ivy. Attaining proportions where branches become fragile.		8.40	222
26	Sycamore	14	3	6	6	6	55e								3	3SE	E	C2	>10	Suppressed by adjoining trees. Main stem covered in ivy.		6.60	137
27	Sycamore	14	6	2	5	6	45e								4	4W	E	C2	>10	Suppressed by adjoining trees. Main stem covered in ivy.		5.40	92
28	Mixed broadleaf hedgerow	6av	2av				10av								0	-	E	B2	>20	Established but outgrown hedgerow at edge of field. Predominantly hawthorn with some elder and sycamore saplings. Would benefit from being brought back under management.		1.20	5
29	Group of sycamore	11av	7av				50av								2	2S	S	B2	>20	Group of trees in garden to north of site.		6.00	113
30	Raywood ash	10	7	7	7	7	50e								2	2S	S	B1	>20	Established tree growing in garden to north of site.		6.00	113
31	Mixed broadleaf hedgerow	2av	1av				10av								0	-	E	B2	>20	Established hedgerow growing within garden to north of site. Species include a variety of ornamental shrubs including bay, philadelphus and aucuba.		1.20	5
32	Group of mixed broadleaves	13av	6av				40av								2	2S	E	B2	>20	Established group of trees growing within garden to north of site. Species include walnut, beech, ash, whitebeam, birch and Scots pine.		4.80	72
33	English oak	15	8	8	8	6	60e								3	3SE	E	B1	>20	Well formed tree growing just beyond boundary of site.		7.20	163
34	Ash	15	8	8	7	7	55e								2	2SE	E	B1	>20	Established tree growing in garden to north of site.		6.60	137
35	Mixed broadleaf hedgerow	2av	1av				10av								0	-	S	B2	>20	Established hedgerow at edge of site. Species include elm, hawthorn and hazel.		1.20	5
36	Mixed tree belt	12av	5av				30av								0	-	S	B2	>20	Recently established belt of trees including a variety of species such as English oak, cherry, Scots pine, ash, whitebeam, hornbeam and field maple.		3.60	41
37	Mixed broadleaf tree belt	16av	9av				60av								0	-	M	A2	>40	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.		7.20	163
38	Mixed broadleaf tree belt	14av	6av				25av								0	-	S	B2	>20	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		3.00	28
39	Mixed broadleaf tree belt	14av	7av				35av								0	-	E	B2	>20	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.		4.20	55
40	Silver birch	11	4	3	3	4	26								2	2W	S	C1	>10	Small tree growing amidst nettles at edge of field.		3.12	31
41	Row of leyland cypress	14av	6av				50av								0	-	E	U	<10	All attaining proportions where stems are failing. Unsuited to long term retention. Possibly originally planted to screen a building that has since been demolished.		6.00	113
64	Leyland cypress hedgerow	11av	2av				20av								0	-	E	C2	>10	Established but outgrown hedgerow. If allowed to continue to grow the hedge will reach proportions where stem is likely to fail.		2.40	18
65	Ash	18	10	11	10	10	95e								5	5N	E	C1	>10	Established tree that appears to be growing in adjoining garden. Showing signs of Ash Dieback.		11.40	408
66	Group of mixed broadleaves	13av	6av				30av								0	-	S	C2	>10	Group of smaller trees growing between parcels of land. All growing amidst dense brambles. Species include sycamore, ash, English oak and goat willow		3.60	41
67	Ash	15	6	7	7	9	67								2	2W	E	C1	>10	Showing signs of Ash Dieback. One stem has failed and resting in adjoining tree. Unsuited to long term retention.		8.04	203
68	Sycamore	14	5	5	2	5		30e	30e	30e					2	2Nw	S	C1	>10	Asymmetric development due to competition to adjoining tree. Growing amidst dense brambles.		6.24	122
69	Sycamore	9	3	3	3	3	22								2	2Nw	S	C1	>10	Small tree growing amidst dense bramble.		2.64	22
70	Sycamore	13	8	6	7	7	45e								2	2Nw	E	C1	>10	Small tree growing amidst conifer hedge.		5.40	92
71	Mixed broadleaf tree belt	13av	6av				25av								0	-	S	B2	>20	Established block of trees at edge of site. Species include field maple, ash, sycamore, hawthorn, English oak and hornbeam.		3.00	28
72	Row of Lombardy poplar	26av	6av				90av								0	-	M	U	<10	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.	Remove.	10.80	366
73	English oak	9	4	4	4	4	18e								2	2S	S	C1	>10	Small tree growing in adjoining field.		2.16	15
74	Row of mixed broadleaves	17av	8av				70av								0	-	E	B2	>20	Established line of trees beyond site. Taller trees consist of ash and English oak. Understorey of hazel, hawthorn and blackthorn.		8.40	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
Tree Works	Works required to be undertaken to the trees to facilitate the construction of remediate a defect encountered during the survey
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

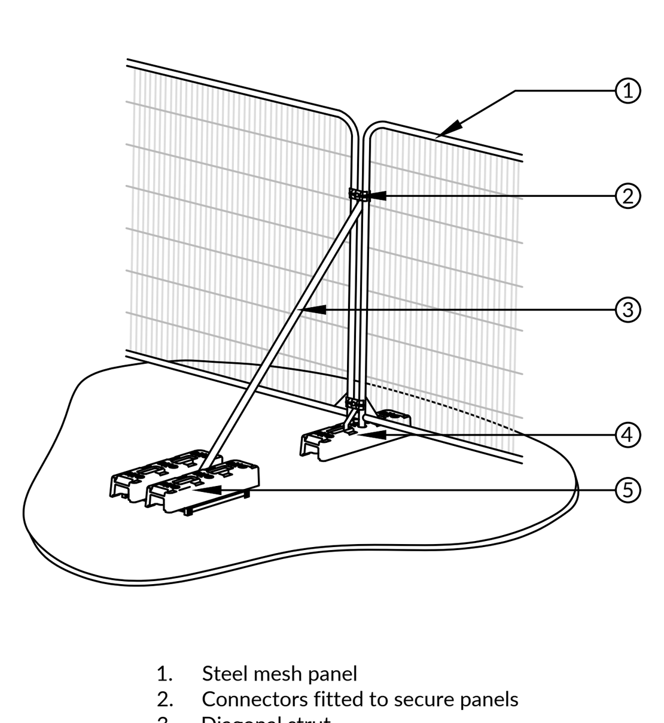
NOTES

1. **This tree survey information has been prepared for planning purposes only. Additional detail will be needed for foundation design.**
2. The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
3. Scale for planning purposes only.
4. All dimensions to be checked on site.
5. The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
6. Details shown on this drawing are devised with reference to *BS5837:2012:Trees in relation to design, demolition and construction - Recommendations.*
7. Check if Tree Preservation Order or Conservation Area protection applies to trees before undertaking tree works.
8. Priority Habitat Inventory - Deciduous Woodland (England) based on information from MAGIC website.
9. Topographical survey based on mksurveys project number 32595.
10. Where trees were not identified on the topographical survey they have been plotted by eye.
11. Proposed layout based on Pegasus Group Landscape Masterplan drawing number P24-2268_EN_0001_B.

KEY

- Existing site features
- Proposed layout
- Trees retained (Green-coloured line indicates extent of canopy)
- Trees for removal (Red-coloured dash line indicates extent of canopy)
- 2.0m high barrier as detail in Figure 1

Figure 1: Example of a protective barrier



1. Steel mesh panel
2. Connectors fitted to secure panels
3. Diagonal strut
4. Block feet to avoid driven scaffold poles
5. Block tray weighted with blocks

Rev	Description	Date
C	Latest layout overlay	12.02.26
B	Latest layout overlay	20.01.26
A	Latest layout and drainage layout overlay	10.01.24
0	Preliminary issue	21.12.23

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Client
BELLWAY HOME LTD (STRATEGIC LAND)

Project
FORMER THAKEHAM MUSHROOM SITE, THAKEHAM

Title
TREE PROTECTION PLAN

Date	Scale
DEC 2023	1:1000@A1
Drawn by	**Checked by**
ML	JTK

Drawing Number
2142-KC-XX-YTREE-TPP01RevC