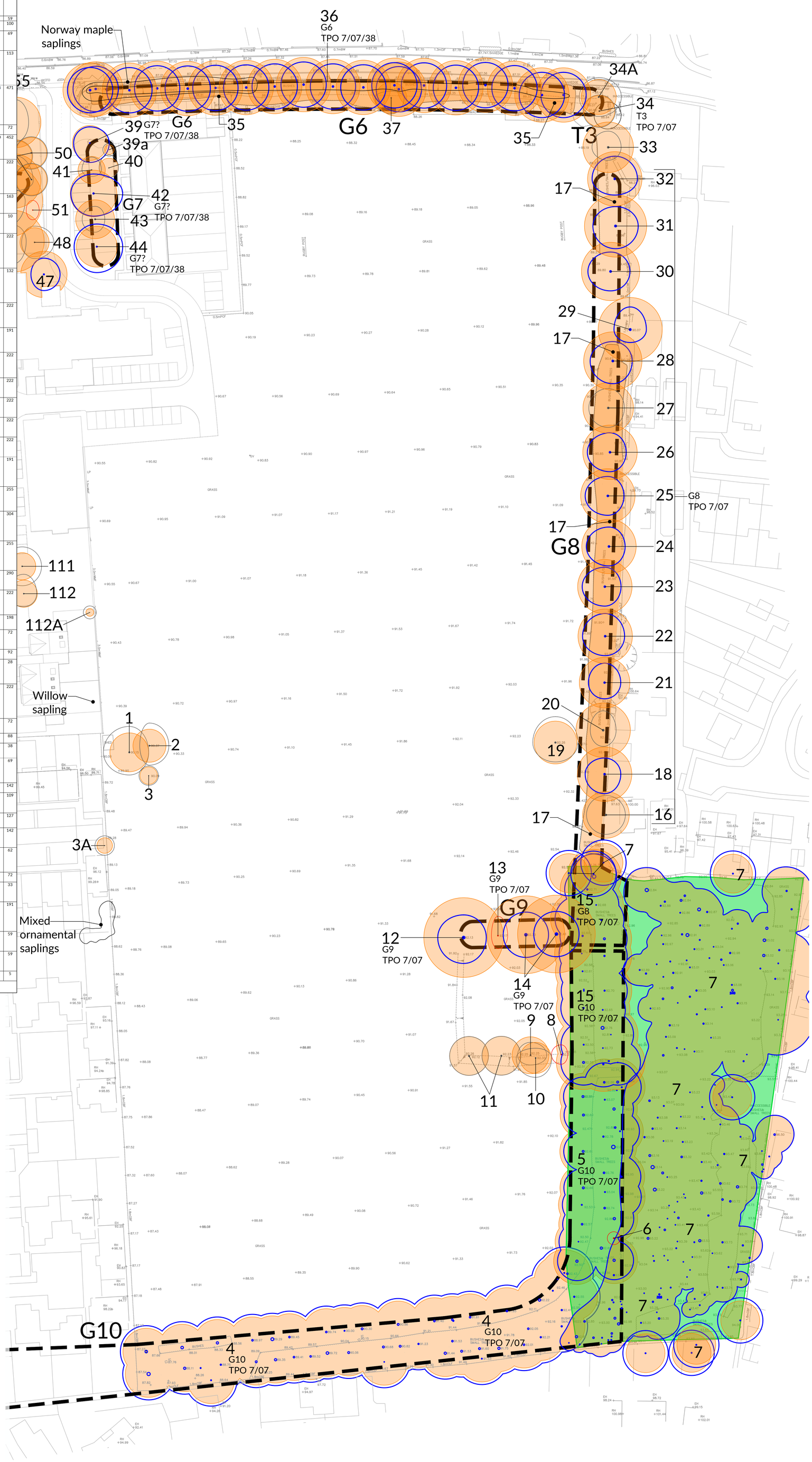
Survey of trees at Friends School, Mount Pleasant Road, Saffron Walden

Tree No.	TPO 7/07	Species	Ht (m)	Branch Spread (m) N	E	S	W	Stem diameters (cm) Single Stem	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 and direction (compass point)	Age class	Category grading	Estimated remaining contribution (yrs)	Condition Physiological / Structural	Preliminary management recommendations	Root protection radius (m)	Root protection area sq.m
									2-5 stems															
1		Norway maple	16	8	6	7	8	49								2	4W	E	C2	>10	Broad spreading crown. Growing as part of a smaller group.		5.88	109
2		Beech	14	7	6	6	3	42								3	3E	S	C2	>10	Compromised by adjoining trees.		5.04	80
3		Purple fastigiate beech	11	3	3	3	3	23								2	-	S	C2	>10	Contributing to smaller group.		2.76	24
3A		Callery pear	9	3	3	3	3	20e								2	2S	Y	C1	>10	Small tree growing in small development to west of site.		2.40	18
4	G10	Avenue of lime	18av	8av				60av								0	-	M	B2	>20	Group of lime growing as an avenue with understory of sycamore, holly and hawthorn. Visually significant to south of site. Many trees heavily clad in ivy preventing thorough inspection. Some deadwood growing throughout.		7.20	163
5	G10	Linear group of lime	16av	6av				60av								2	-	M	B2	>20	Visually significant, contribution to landscape. Continuation of avenue to south running along eastern boundary, growing to west of mixed species woodland. Ivy present on some specimens preventing through inspection. Some deadwood throughout.		7.20	163
6		Lime	12	2	2	2	2	45e								4	-	E	U	<10	Tree dead	Fell	5.40	92
7		Mixed species woodland	16av	7av				50av								0	-	E	B2	>20	Mixed species woodland comprising of sycamore, field maple, hawthorn, dogwood, buddleia and hazel with occasional birch along the eastern edge. An emerging shrub layer of hawthorn, hazel, field maple, bramble, privet and buddleia. Some open space. Very little deadwood present throughout the woodland. In the south east corner an increase in tree species height is present associated with mature specimens. Along the eastern edge are some specimen trees notable of walnut species. Along the southern boundary, birch increases to circa 16m in height. Former forest school educational usage.		6.00	113
8		Birch	10	3	2	3	3	36								2	2W	E	U	<10	Dead.		4.32	59
9		Silver birch	13	4	5	3	4	47								2	3S	E	C1	>10	Crown slightly biased to the north due to presence of walnut to the southeast.		5.64	100
10		Walnut	14	3	5	6	6	39								1	3E	E	C1	>10	Asymmetrical crown to the south due to the presence of birch. Twin-stemmed from circa 2m above ground level with tight unions therein susceptible to failure.		4.68	69
11		Pair of birch	16av	6av				50av								2	2S	E	C2	>10	Contiguous crowns. Specimen to east heavily clad in ivy preventing thorough inspection. Small deadwood present. Specimen to west has some exudate emerging from wound to the south at circa 2m above ground level. Both crowns sparse.		6.00	113
12	G9	Purple beech	14	7	7	8	8	*102								2	2NE	M	B2	>20	Broad-spreading crown from circa 2m above ground level with tight unions therein susceptible to failure. Ivy present on main trunk preventing thorough inspection and accurate measurement. Some squirrel damage present throughout. Stem diameter measured at 1.2m above ground level.		12.24	471
13	G9	Norway maple	15	6	3	4	2	40e								2	3N	E	U	<10	Growing between pair of purple beech. Northern stem failed due to tight union.		4.80	72
14	G9	Pair of purple beech	16av	7av				<100								1	-	M	B2	>20	Visually significant contribution to tree belt. Growing as part of a linear group of 3 purple beech. Ivy present preventing thorough inspection. Small deadwood present.		12.00	452
15	G8/ G10	Linear group of lime	18av	7av				<70								2	-	M	B2	>20	Visually significant contribution to landscape. Continuation of avenue to south running along eastern boundary, growing to west of mixed species woodland. Ivy present on some specimens preventing through inspection. Some deadwood throughout.		8.40	222
16	G8	Lime	15	6	6	6	6	60e								4	-	M	C1	>10	Appears to be growing within private residence. Crown has been reduced to circa 13m above ground level in the past and subsequently regrow.		7.20	163
17		Mixed species hedgerow	6av	2av				<15								0	-	S	C1	>10	Mixed species group of viburnum, cotinus, blackthorn, hazel and snowberry growing as understory to linear group. Large specimens providing off-site screening.		1.80	10
18	G8	Lime	17	5	5	6	6	70e								4	4W	M	B2	>20	Growing amidst dense vegetation preventing thorough inspection and accurate measurement. Ivy present on main trunk preventing further inspection. Reduced to circa 14m in the distant past and subsequently regrow. Small deadwood present.		8.40	222
19		Beech	16	8	7	6	7	54								2	2NW	E	C2	>10	Open grown tree of visual significance. Broad-spreading crown from circa 2m above ground level. Twin-stemmed with significantly tight union suseptible to failure at susceptible to failure at circa 6m above ground level. Future retention unsuitable.		6.48	132
20		Horse chestnut	11	6	4	5	4	70e								4	4W	M	C1	>10	Growing amidst dense hedgerow with ivy present preventing thorough inspection and accurate measurement. Reduced significantly to circa 10m in the distant past, with emerging regrowth present.		8.40	222
21	G8	Lime	14	6	5	5	5	65e								0	-	E	B2	>20	Growing amidst dense vegetation preventing thorough inspection and accurate measurement. Reduced to circa 10m above ground level in the distant past.		7.80	191
22	G8	Norway maple	15	7	6	6	7	70e								4	4W	M	B2	>20	Contributing to the eastern tree line. Growing amidst dense vegetation preventing thorough inspection and accurate measurement. crown sparse with some deadwood present throughout.		8.40	222
23	G8	Lime	18	6	5	6	7	70e								2	4W	M	B2	>20	Heavily clad in ivy preventing thorough inspection and accurate measurement. Contributing to linear group of trees. Some deadwood present.		8.40	222
24	G8	Lime	16	6	5	6	7	70e								2	4W	M	B2	>20	Heavily clad in ivy preventing thorough inspection and accurate measurement. Contributing to linear group of trees. Some deadwood present.		8.40	222
25	G8	Lime	18	6	5	6	7	70e								2	4W	M	B2	>20	Heavily clad in ivy preventing thorough inspection and accurate measurement. Contributing to linear group of trees. Some deadwood present.		8.40	222
26	G8	Lime	18	6	5	6	7	70e								2	4W	M	B2	>20	Heavily clad in ivy preventing thorough inspection and accurate measurement. Contributing to linear group of trees. Some deadwood present.		8.40	222
27	G8	Lime	6	6	5	6	6	65e								0	-	M	C2	>10	Heavily clad in ivy preventing thorough inspection and accurate measurement. Some crown dieback and deadwood present. Possibly reduced in height and width in the distant past and subsequentlt regrow.		7.80	191
28	G8	Lime	20	6	6	7	7	75e								2	3W	M	B2	>20	Contributing to linear group of trees. Heavily clad in ivy preventing thorough inspection and accurate measurement. Slight crown bias to the south due to presence of ash to the northeast.		9.00	255
29		Ash	15	7	5	4	5	65e	50e							4	-	M	B2	>20	Boundary tree twin-stemmed from circa 1m above ground level with tight unions susceptible to failure. Recently crown reduced. Large wounds present. Cable brace at circa 5m above ground level. Advanced Ash Dieback.		9.84	304
30	G8	Lime	17	6	6	6	7	75e								1	-	M	B2	>20	Contributing to linear group of trees. Dense vegetation and epicormic growth preventing thorough inspection and accurate measurement. Heavily clad in ivy preventing further inspection. Some deadwood throughout.		9.00	255
31	G8	Lime	21	6	7	7	7	80e								4	4W	M	B2	>20	Contributing to linear group. Twin-stemmed from circa 3m above ground level with ivy preventing further inspection. Some deadwood.		9.60	290
32	G8	Lime	19	7	7	5	7	70e								6	6W	M	B2	>20	Well formed tree contributing to linear group. Large wound on south of trunk at circa 4m above ground level associated with the removal of a large limb. Some deadwood throughout.		8.40	222
33		Field maple	11	5	6	6	6							25	7	2	2W	S	C1	>10	Multi-stemmed from circa 2m above ground level. Contributing to hedgerow and understory to linear group.		7.94	198
34	T3	Yew	8av	5av				<40								0	-	S	C2	>10	Contributing to linear group of trees. Growing amidst dense vegetation preventing thorough inspection and accurate measurement.		4.80	72
34A		Field maple	14	6	7	6	6	45e								3	3N	S	C2	>10	Suppressed by adjoining yew. Main stem covered in Ivy.		5.40	92
35		Mixed species hedgerow	9av	4av				25av								0	-	S	C2	>10	Mixed species hedgerow comprising of hawthorn, dog rose, Norway maple and snowberry. Growing as understory to linear group along northern edge of site providing screening of road.		3.00	28
36	G6	Group of lime	16av	7av				<70								2	-	E	B2	>20	Growing amidst dense understory of mixed species hedgerow. Contributing to screening of site from northern residential properties and road. Ivy present on many specimens preventing thorough inspection. Some deadwood present throughout.		8.40	222
37		Sycamore	10	2	4	5	5	40e								2	4S	S	C2	>10	Contributing to understory of limes. Ivy present preventing thorough inspection and accurate measurement.		4.80	72
39	G7?	Beech	12	5	4	4	4	44								1	3W	E	B2	>20	Well formed crown, multi-stemmed from circa 4m above ground level.		5.28	88
40		Lime	12	4	3	3	3	29								2	-	S	C1	>10	Asymetrical form due to presence of surrounding vegetation. Of little contribution.		3.48	38
41		Cherry	10	4	3	2	3	39								4	-	E	C2	>10	Growing at bottom of embankment. Large wound present on main trunk from ground level up to circa 2m above ground level. Significant pocket of decay present therein.		4.68	69
42	G7?	Beech	17	6	6	5	7	56								2	4SW		B2	>20	Well formed tree contributing to linear group of 3 beech.		6.72	142
43		Cherry	8	4	3	4	4	49								2	1.8SE		C2	>10	Multi-stemmed from 1.8m above ground level. Large wounds present on main trunk at circa 1.8m above ground level. Some crown dieback and deadwood throughout.		5.88	109
44	G7?	Beech	15	7	7	6	7	53								4	4NW	E	B2	>20	Well formed tree, multi-stemmed from 7m above ground level with broad spreading crown.		6.36	127
47		Lime	17	4	5	5	4	56								2	4S	M	B2	>20	Well formed tree from circa 4m above ground level. Large wound at circa 2m above ground level to east of main trunk. Some deadwood.		6.72	142
48		Norway maple	12	5	5	4	4	37								4	3SE	S	C1	>10	Contributing little to group of trees. Wounds present at circa 2m above ground level associated with branch loss. Impact wound at circa 0.5m above ground level to south of main trunk.		4.44	62
50		Group of 3 maple	12av	5av				<40								2	-	E	C2	>10	Of little contribution to landscape. Some crown dieback and deadwood present.		4.80	72
51		Horse chestnut	7	3	2	3	2		17	21						2	3N	S	U	<10	Bark delamination present on main trunk from ground level up to circa 2m above ground level. Crown sparse with some dieback present.		3.24	33
55		Norway maple	11	7	4	6	5	65e								4	4W	E	C2	>10	Broad spreading crown from circa 2m above ground level. Possibly reduced to circa 7m above ground level in the distant past with large pruning wounds and subsequent pockets of decay present. Some deadwood throughout.		7.80	191
111		Field maple	13	6	6	6	6	*36								2	-	E	C1	>10	Part of linear group of field maple. Small deadwood present. *Stem diameter measured at 1m above ground level.		4.32	59
112		Field maple	11	6	4	4	5	*36								2	-	E	C1	>10	Part of linear group of field maple. Small deadwood present. Dead top. *Stem diameter measured at 1m above ground level.		4.32	59
112A		Paperbark birch	4	2	2	2	2	11								2	2N	Y	C1	>10	Small tree growing just beyond palisade fence.		1.32	5

Note:
Where ? is indicated it is due to uncertainty which tree is protected.



NORTH

0 5m 10m 25m 50m

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. Tree Preservation Order based on Uttlesford District Council Tree Preservation Order numbers 7/07/38 and 14/07/38 (information obtained 14/12/2022).
8. Priority Habitat Inventory - Deciduous Woodland (England) based on information from MAGIC website.
9. Topographical survey based on Datum Surveys Services Ltd drawing number DAT/9.0.
10. Where trees were not identified on the topographical survey they have been plotted by eye.

KEY

1. Trees to be considered for retention:
   (Coloured line indicates extent of canopy)
   - Tree Category A 1,2 or 3 - Trees of high quality
   - Tree Category B 1,2 or 3 - Trees of moderate quality
   - Tree Category C 1,2 or 3 - Trees of low quality
2. Trees unsuitable for retention:
   (Coloured line indicates extent of canopy)
   - Tree Category U - Trees that cannot realistically be retained due to their condition
3. Protection Areas:
   - Root Protection Area (RPA) (where RPAs overlap the shading will appear darker)
   - T3 Tree Preservation Order (TPO) individual
   - G8 Tree Preservation Order (TPO) group
4. Tree/Hedge numbering:
   - 18 Tree number - refer to schedule for information
   - G4 TPO 7/07/38 TPO number - refer to schedule for information
5. Designations:
   - Priority Habitat Inventory - Deciduous Woodland (England)

KEY TO TREE SCHEDULE

Column Heading	Explanation
Tree No.	Unique number corresponding with number on plan
TPO No	If applicable and where known
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 dianeter 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	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 (yrs)	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
B	Tree survey updated	26.06.24
A	Project name updated	18.06.24
0	Preliminary issue	23.04.24

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Client
CHASE NEW HOMES

Project
FORMER FRIENDS SCHOOL FIELDS,
MOUNT PLEASANT ROAD, SAFFRON WALDEN

Title
TREE CONSTRAINTS PLAN

Date	Scale
APRIL 2024	1:500@A0
Drawn by	Checked by
ML	JTK

Drawing Number
2297-KC-XX-YTREE-TCP01RevB