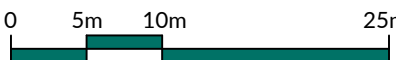


NORTH



NOTES

- The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
- Scale for planning purposes only.
- All dimensions to be checked on site.
- The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
- Details shown on this drawing are devised with reference to BS5837:2012: Trees in relation to design, demolition and construction - Recommendations.
- Tree Preservation Order and Conservation Area based on Havant Borough Council portal map.
- Topographical survey based on Harris Surveys Ltd drawing number 21341.
- Where trees were not identified on the topographical survey they have been plotted by eye.

KEY

- Trees to be considered for retention: (Coloured line indicated 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
- Trees unsuitable for retention: (Coloured line indicated extent of canopy)
 - Tree Category U - Trees that cannot realistically be retained due to their condition
- Protection Areas:
 - Root Protection Area (RPA)
- Tree/Hedge numbering:
 - 36 Tree number - refer to schedule for information

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
Age Class	Suffix 'av' denotes an average dimension
	Age Class definitions:
	Y = Young S = Semi-mature E = Early mature
	M = Mature O = Over mature
	Summary of BS 5837: 2012 categorisation:
Category grading and Estimated remaining Contribution (yrs)	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 than 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) Note: Useful estimated remaining contribution of the tree or tree group based on figures stated in BS5837:2012 Brief description including physiological and structural defects Describes current arboricultural requirement for the tree in its current context Preliminary management recommendations 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

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Project
LAND AT LANGSTONE LODGE,
1 LANGSTONE HIGH STREET, LANGSTONE

Title
TREE CONSTRAINTS PLAN

Date Scale
OCT 2021 1:500@A2

Drawn by Checked by
ML JTK

Drawing Number

1760-KC-XX-YTREE-TCP01Rev0

Trees at Langstone Lodge, 1 Langstone High Street, Havant

Tree No.	Species	Ht (m)	Branch Spread (m)				Stem diameters (cm)										Height of crown clearance (m)	Height of first branch (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
			N	E	S	W	Single Stem	2-5 stems					More than 5 stems	Mean dia	No. stems										
								Stem 1	Stem 2	Stem 3	Stem 4	Stem 5													
1	Holm oak	17	9	10	10	11		33	57	91	56	103			2	2N	M	A1	>40	Visually significant tree growing against road.		15.00	707		
2	Mimosa	9	3	3	3	3	32							1	1N	S	B1	>20	Growing close to boundary wall. Crown reduced in the past.		3.84	46			
3	Sycamore	13	4	3	6	5	36							3	3S	E	C2	>10	Part of a row of similar sized trees bisecting garden. Of limited merit. Compromising development of street tree.		4.32	59			
4	Sycamore	15	5	3	2	5	35							4	4N	E	C2	>10	Part of a row of similar sized trees bisecting garden. Of limited merit.		4.20	55			
5	Sycamore	15	3	3	2	1	27							3	3N	E	U	<10	Extensive decay at base due to past stem loss.		3.24	33			
6	Sycamore	13	3	1	1	4	21	16						2	2S	S	C2	>10	Smaller tree suppressed by its much larger neighbour. Unsuitable to long term.		3.17	32			
7	Sycamore	16	6	5	7	5	66							3	3S	E	C2	>10	Forms part of a row of similar sized trees bisecting garden. Twin-stemmed from circa 1.5m above ground level. This tight union is highly susceptible to failure in future years. Prominent ribs of tissue are forming on either side confirming the weakness.		7.92	197			
8	Ash	18	7	5	6	3	45							6	6W	E	U	<10	Forms part of a row of trees bisecting garden. Crown development compromised by adjoining sycamore. Extensive area of deadwood on lower stem. Showing distinct signs of Ash Dieback.		5.40	92			
9	Holly	4	2	2	2	2		17	11	15	21			1.5	1.5S	S	C1	>10	Small tree at end of planting bed. Has been crown reduced in the past.		3.94	49			
10	Sycamore	14	1	6	4	3	41							3	4W	E	C2	>10	Forms part of a row of similar sized trees bisecting garden. Crown development compromised by adjoining tree.		4.92	76			
11	Sycamore	15	6	4	2	5	48							3	3E	E	C2	>10	Forms part of a row of similar sized trees bisecting garden. Crown development compromised by adjoining tree.		5.76	104			
12	Sycamore	15	2	2	6	4	41							2	2S	E	C2	>10	Forms part of a row of similar sized trees bisecting garden. Pocket of decay at base. Crown development compromised by adjoining trees. Presence of this tree is compromising the development of the adjoining larger and better beech tree.		4.92	76			
13	Sycamore	15	2	4	5	1	36							2	2E	E	C2	>10	Forms part of a row of similar sized trees bisecting garden. Crown development compromised by adjoining tree. Presence of this tree is compromising the development of the adjoining larger and better beech tree.		4.32	59			
14	Sycamore	15	5	3	0	4	30							3	4N	E	C2	>10	Forms part of a row of similar sized trees bisecting garden. Crown development compromised by adjoining tree. Presence of this tree is compromising the development of the adjoining larger and better beech tree.		3.60	41			
15	Beech	17	8	7	7	7	133							3	3S	M	A1	>40	Visually significant tree of multi-stem form from circa 2-4m above ground level. Been pruned in the past. Decaying remnant of fungal fruit body at base. Fruit body too degraded to attain species.		15.00	707			
16	Sycamore	15	2	3	4	3	26							2	2W	E	C2	>10	Part of a group of 3 trees. Growing extremely close to boundary wall. Presence compromises development of street trees.		3.12	31			
17	Sycamore	15	3	1	3	4	31							2	S	E	C2	>10	Part of a group of 3 trees. Growing extremely close to boundary wall. Presence compromises development of street trees.		3.72	43			
18	Sycamore	15	6	6	5	4	38	40						2	2N	E	U	<10	Poor fork formation at circa 1m above ground level. Showing signs of included bark and reaching a point where it is likely to fail. Unsuitable to long term retention.		6.62	138			
19	Row of leyland cypress	2av		1av		10av								0	-	S	C2	>10	Row of conifers growing in lawn.		1.20	5			
20	Row of sycamore	18av		7av		40av								4	4S	E	C2	>10	Densely spaced line of trees along northern boundary. Would appear to have been self-set all have growing in competition with one and other. Most stems have an etiolated form and are of little merit. Row contains occasional ash that is showing signs of Ash Dieback. The ash are unsuitable to long term retention. Some dead stems branches and crossing branches that would be better removed to prevent their failure.	Remove dead stems, branches and crossing branches.	4.80	72			
21	Ash	19	6	6	9	5	71							7	7N	E	C2	>10	Larger tree within row. Some decay associated with past branch loss. Showing advance signs of Ash Dieback.		8.52	228			
22	Pair of ash	17av		7av		55av								2	5S	E	C2	>10	Pair of trees growing on northern boundary. Both showing signs of Ash Dieback.		6.60	137			
23	Row of leyland cypress	3av		1av		10av								0	-	S	C2	>10	Short section of conifer hedge along northern boundary.		1.20	5			
24	Row of sycamore and ash	16av		7av		60av								4	4S	E	C2	>10	Row of trees growing inside and outside the northern boundary. The sycamore has partially failed and leaning toward the east. All the ash are showing signs of advance Ash Dieback.		7.20	163			
25	Apple	4	2	1	2	2	41	22						2	2NW	E	C1	>10	Older fruit tree with extensive decay within main stem. Pruned on a regular basis.		5.58	98			
26	Sycamore	13	6	6	3	3	52							2	3E	E	U	<10	Extensive decay in main stems. Unions between stems liable to failure. Unsuitable to long term retention.		6.24	122			
27	Ash	14	4	7	7	7	28	34	29					3	5W	E	C2	>10	Combines with other trees of similar size on eastern boundary. Triple stemmed from circa 8m above ground level. Tight unions between those stems that are liable to failure in future years. Showing signs of Ash Dieback.		6.33	126			
28	Pair of sycamore	15av		7av		60av								2	2E	E	C2	>10	Pair of close grown stems on eastern boundary. Tight unions between stems on each tree.		7.20	163			
29	Ash	13	3	7	5	2	48							1	2E	E	U	<10	Leans acutely toward the northeast. Showing advance signs of ash dieback. Unsuitable to long term retention.		5.76	104			
30	Apple	3	2	2	2	2							1.5	7	1.5	1.5N	S	C1	>10	Small multi-stem fruit tree growing in lawn area.		4.76	71		
31	Paperbark birch	7	2	2	1	1	13							1.5	1.5W	Y	C1	>10	Small tree growing in lawn area.		1.56	8			
32	Golden fuchsia	7	3	2	2	2	17							1.5	1.5E	Y	C1	>10	Small tree growing in lawn. Decay pockets in main stem.		2.04	13			
33	Pear	3	2	2	2	2						13	14	1	1S	S	C1	>10	Extensive decay in main stem.		2.29	17			
34	English oak	17	10	10	10	10	136							2	3SE	M	A1	>40	Visually significant tree growing in lawn. Past damage to lower stem and some decay now present. Some decay pockets associated with past branch loss. Some dead branches within crown.		15.00	707			
35	Ash	15	2	7	7	6	23	44	39					2	3W	E	C2	>10	Established broad-spreading tree. Showing advance signs of ash dieback. Some decay associated with past branch loss. Some broken branches within crown.	Remove broken branches	7.58	180			
36	Sycamore	16	7	10	6	10								4.5	6	3	3S	E	B2	>20	Reasonably well formed multi-stem tree. Crown development compromised by adjoining ash. Removal of the ash would favour the development of this sycamore.		13.23	550	
37	Ash	18	7	7	6	7	75							7	7E	E	C2	>10	Stands to north of grove of sycamores. Showing signs of ash dieback. Unsuitable to long term retention.		9.00	255			
38	Grove of sycamores	16av		6av		45av								3	3S	E	B2	>20	Group of closely spaced trees growing within lawn. All vary slightly in their characteristic from clean single stem to multi-stemmed. Some stems forming tight unions that are likely to failure in future years. Others are significantly defective. At some point in the future consideration should be given to selective removal to favour the better stems.		5.40	92			
39	Group of sycamore	17av		7av		45av								2	2N	E	C2	>10	Group of tightly spaced stems dividing lawn. All stems tightly packed so each ones development is compromised. Some decay pockets in stems associated with past branch loss. Selective thinning could remove the weaker specimens and retain the better ones however, there is no one tree of any particular merit worthy of retention.		5.40	92			
40	Beech	15	6	6	5	8	52							1	3SE	E	C1	>10	Established tree growing on boundary. Showing advance signs of ash dieback. Unsuitable to long term retention.		6.24	122			
41	Sycamore	16	3	6	7	6	49							2	2SE	E	C1	>10	Crown development severely compromised by adjoining ash. Small undersized leaves indicating lack of vitality. Prominent crack in bark on southeast side.		5.88	109			
42	Sycamore	17	7	6	8	4	77							2	2S	E	U	<10	Sparsity of fine branch and foliage in upper crown. What foliage there is small and undersized. Extensive decay in lower stem. Hollow reveals fruit bodies of Gonodermia decay fungi.	Remove	9.24	268			
43	Ash	14	7	6	7	7	44							2	2S	E	U	<10	Showing advance signs of ash dieback. Unsuitable to long term retention.		5.28	88			
44	Ash	13	5	5	6	5	44							3	3S	E	C1	>10	Showing signs of Ash Dieback. Has been cut back on southern side to provide clearance in adjoining garden. Patch of dead bark and incipient decay at ground level on northern side. Unsuitable to long term retention.		5.28	88			
45	Lawson cypress	9	2	2	2	2	29	27	26					1	1NW	E	C1	>10	Small conifer adjoining garages.		5.69	102			
46	Mimosa	4	3	3	3	3	13	16						1	1.2S	S	C1	>10	Small ornamental tree growing in driveway.		2.47	19			

Note:
All trees on site are protected by Conservation Area

1
Believed to be protected by TPO but no online record