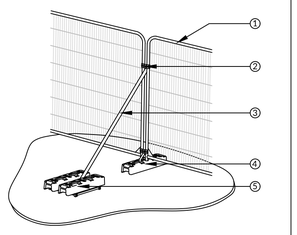
Schedule of trees on land west of Ravenscroft, Storrington

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 major branch (m) and direction	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	Mixed broadleaf hedgerow	2av		1av			10av								0	-	S	B2	>20	Established hedgerow growing along footpath. Species include hawthorn, blackthorn and hazel.		1.20	5
2	Ash	14	5	6	6	6	60e								3	3S	E	C1	>10	Established tree growing in hedgerow. Main stem and much of crown smothered in ivy. Showing early signs of Ash Dieback.		7.20	163
3	English oak	14	5	6	6	4	50e								4	4S	E	C1	>10	Established tree growing in property adjoining footpath. Appears to have been crown reduced in the past.		6.00	113
4	Lawson cypress	14	4	4	4	4	45e								2	2S	E	C1	>10	Development compromised by adjoining ash		5.40	92
5	Ash	14	7	6	7	6	95e								2	2S	E	B1	>20	Old, established hedgerow tree. Some damage to buttress roots as a result of access to allotment gate. Triple-stemmed from 1.5 metres above ground level. Will likely succumb to Ash Dieback in the future.		11.40	408
6	Mixed broadleaf hedgerow	2av		1av			10av								0	-	S	B2	>20	Established hedgerow alongside Ravenscroft. Species include blackthorn, dogwood, holly, field maple, hazel, hawthorn and privet. Likely to be of planted origin given the number of species.	Remove section as shown.	1.20	5
7	Field maple	12	6	4	0	5	40e								2	2N	E	B2	>20	Forms a contiguous crown with its neighbour. Main stem covered in ivy.	Remove.	4.80	72
8	Field maple	14	3	6	7	7		35e	35e	35e	35e				2	3W	E	B2	>20	Forms a contiguous crown with its neighbour. Main stem covered in ivy.	Remove.	8.40	222
9	English oak	15	6	7	7	6	90e								2	2S	E	B1	>20	Broad-spreading tree growing alongside Ravenscroft. Growing within hedge so unable to inspect base.		10.80	366
10	Silver birch	15	5	6	7	7		37	29						2	2S	E	B1	>20	Twin-stemmed tree growing in lawn to east of Ravenscroft		5.64	100
11	Group of ash	13av		6av			45av								2	2.5E	E	C2	>10	Collection of stems probably having been once part of a hedgerow. Numerous wounds associated with past branch loss. Early signs of infection with Ash Dieback.	Remove.	5.40	92
12	English oak	13	3	6	5	6	37								3	3S	S	C1	>10	Small tree that is overprinted in its development due to presence of others.	Remove.	4.44	62
13	Ash	13	6	7	7	2	42								2	2S	E	C1	>10	Established tree growing in lawn adjoining parking. Beginning to show signs of Ash Dieback	Remove.	5.04	80
14	English oak	17	6	7	9	7		55e	45e						3	3S	E	B1	>20	Broad-spreading tree that appears to be twin-stemmed from ground level. Growing within adjoining property.	Remove.	8.53	228
15	Hornbeam	14	7	7	7	7							25	10	1.2	1.2N	E	B1	>20	Established, broad-spreading tree of multiple stems growing in lawn adjoining Ravenscroft.		9.49	283
16	Mixed broadleaf hedgerow	3av		2av			10av								0	-	S	B2	>20	Established hedgerow growing alongside footpath. Species include blackthorn, hawthorn, holly and ash.	Remove section as shown.	1.20	5
17	English oak	12	4	5	5	5	30e								2	2W	S	C1	>10	Small tree growing in hedgerow alongside footpath.		3.60	41
18	Sycamore	14	4	5	6	6	27								3	3W	S	C1	>10	Established tree growing within hedgerow alongside footpath.		3.24	33
19	English oak	13	6	7	6	6	45e								4	4E	S	B1	>20	Established tree growing within gardens adjoining footpath.		5.40	92
20	English oak	18	6	8	10	6	110e								2	2N	M	A1.G3	>40	Visually significant tree growing at corner of footpath. Broad-spreading crown. Main stem and much of crown smothered in ivy.		13.20	547
21	Mixed broadleaf tree belt	10av		4av			15av								0	-	S	C2	>10	Outgrown belt of vegetation between fields. Species include ash, great willow and field maple. Ash showing definite signs of Ash Dieback.		1.80	10
22	Mixed broadleaf tree belt	7av		3av			15av								0	-	S	C2	>10	Sparse tree belt growing along field boundary. Consists primarily of blackthorn, ash and field maple. Many ash dying due to Ash Dieback. Much of belt dominated by bramble.		1.80	10
23	English oak	18	11	10	9	6	103								2	2E	M	A1.G3	>40	Contributes to group of similar sized oak trees in this part of the site. Prominent buttresses and some hollowing between indicative of typical pattern of decay associated with oaks at this age. Typically this decay does not affect the stability of the trees at this stage. Some large sections of deadwood within crown.		12.36	480
24	English oak	17	3	6	10	3	100								5	5S	M	A1.G3	>40	Contributes to group of similar sized oak trees in this part of the site. Prominent buttresses and some hollowing between indicative of typical pattern of decay associated with oaks at this age. Typically this decay does not affect the stability of the trees at this stage. Some large sections of deadwood within crown.		12.00	452
25	English oak	17	10	8	10	9	124								1	3NE	M	A1.G3	>40	Contributes to group of similar sized oak trees in this part of the site. Prominent buttresses and some hollowing between indicative of typical pattern of decay associated with oaks at this age. Typically this decay does not affect the stability of the trees at this stage. Some large sections of deadwood within crown.		14.88	696
26	Mixed broadleaf hedgerow	3av		2av			10av								0	-	S	C2	>10	Established, but sparse, hedgerow growing at field boundary. Species include blackthorn, ash, field maple and occasional oak sapling. Ash within the row are dying due to Ash Dieback.		1.20	5
27	English oak	18	6	8	8	8	110e								2	4SE	M	B1.G3	>20	Established tree growing beyond fenceline. Appears to be lacking vitality. Some large sections of deadwood within crown.		13.20	547
28	Ash	18	8	9	10	8	85e								3	3S	M	B1	>20	Established tree growing beyond fenceline. Likely to succumb to Ash Dieback in future years.		10.20	327
29	Group of sycamore and ash	16av		6av			35av								2	2E	E	B2	>20	Established group of trees growing just beyond fenceline. Offers screening between site and adjoining properties. Ash showing signs of Ash Dieback.		4.20	55
30	Pair of English oak	17av		8av			70av								0	3E	E	B2	>20	Pair of close growing trees forming contiguous crown. Located beyond fenceline.		8.40	222
31	Sycamore	8	4	5	4	0	16								1	1NE	S	C1	>10	Small tree growing along fenceline. Suppressed by adjoining lime.		1.92	12
32	Row of lime	18av		8av			70av								0	-	M	A2	>40	Visually significant and dense screen of foliage growing beyond fenceline		8.40	222
33	English oak	16					100e										M	U	<10	Dead tree growing within field. Lower stem with advanced decay so structure liable to collapse. Unsuited to retention within a scheme of development but ecological interest could be retained by relocating the dead sections within nearby open space.	Remove.	12.00	452
34	Ash	9	3	4	4	0	15e								0	-	S	C1	>10	Suppressed by adjoining limes. Showing advanced signs of Ash Dieback.		1.80	10
35	Row of western red cedar	17av		4av			30av								0	-	M	B2	>20	Established row of conifers growing beyond fenceline. Offer evergreen screening between site and adjoining properties.		3.60	41
36	English oak	18	10	12	10	11	120e								3	3NE	M	B1.G3	>20	Large, broad-spreading crown. Has suffered significant limb loss in the past. Extensive decay at those points. Some large sections of deadwood within crown. Crown reduction would promote regeneration and enable long-term retention of the tree by reducing its chances of failure.		14.40	652
37	Mixed hedgerow	3av		1av			10av								0	-	Y	B2	>20	Recently established hedgerow growing beyond fenceline. Species include box, holly and Leyland cypress. Offers low level evergreen screening.		1.20	5
38	Scarlet oak	10	4	4	4	4		15e	15e						1	1N	Y	B1	>20	Young tree of unusual species growing beyond fenceline.		2.55	20
39	Elm	9	2	2	2	2	20e								0	-	Y	U	<10	Dead	Remove.		
40	Group of elm	9av		3av			15av								0	-	S	U	<10	Small group of trees growing at southern end of tree belt. Showing signs of Elm Disease. Unsuited to long-term retention. Understorey of predominantly blackthorn.	Remove.	1.80	10
41	Hawthorn	6	3	4	3	3	15e								1	1S	S	C1	>10	Small tree outgrown from hedgerow. Crown dominated by ivy.	Remove.	1.80	10
42	Mixed broadleaf hedgerow	1.2av		1av			5av								0	-	E	C2	>10	Sparse hedgerow overgrown with bramble. Species include blackthorn and dogrose.	Remove.	0.60	1
43	Group of hawthorn	6av		3av			15av								0	-	S	C2	>10	Small trees growing out from hedgerow.	Remove.	1.80	10
44	Group of hawthorn	6av		3av			15av								0	-	S	C2	>10	Small trees growing out from hedgerow.	Remove.	1.80	10
45	Group of ash	10av		5av			25av								2	2S	S	C2	>10	Group of trees growing amidst hedgerow. Showing early signs of Ash Dieback.	Remove.	3.00	28
46	Mixed broadleaf hedgerow	3av		2av			10av								0	-	S	C2	>10	Section of slightly taller hedgerow at eastern end. Species include hawthorn, holly and goat willow.	Remove.	1.20	5
47	English oak	19	11	11	9	7	153								1	2S	M	A1.G3	>40	Visually significant, broad-spreading tree growing within field. Trees of this size are considered to be veteran and therefore guidance recommends additional precautions in relation to development. Crown has suffered some branch loss in the past, as is typical of trees at this age. Similarly there are some large sections of deadwood within the crown. Decaying fruit bodies of Inonotus dryadeus at circa 1 metre above ground level on northern side of main stem indicating internal decay that is typical of trees of this age.		15.00	707
57	Mixed tree group	12av		5av			25av								0	-	S	C2	>10	Cluster of outgrown vegetation growing along ditchline. Species include English oak, goat willow, ash, sycamore, hawthorn and blackthorn. Careful selection of individual trees and cutting back of vegetation would be beneficial.		3.00	28
71	English oak	11	4	6	6	5	40e								2	2N	S	C1	>10	Small tree growing in corner of allotment site. Main stem and crown densely smothered in ivy.	Remove.	4.80	72
72	Eucalyptus	16	5	6	4	6	54								2	2S	S	C1	>10	Established tree in corner of allotment site. Inappropriate to setting	Remove.	6.48	132
73	Norway spruce	11	2	2	2	2	21								0	-	S	C1	>10	Small conifer growing in corner of allotment site.	Remove.	2.52	20
74	English oak	10	5	5	5	4	29								2	2N	S	C1	>10	Small tree growing within allotment plot. Extensive squirrel damage.	Remove.	3.48	38
75	English oak	14	4	6	7	7	55e								2	2E	E	B2	>20	Part of a row of similar sized trees growing along fenceline to western side of ditch. Main stem and crown covered in ivy.		6.60	137
76	English oak	17	6	7	7	9	75e								2	2E	E	B2	>20	Part of a row of similar sized trees growing along fenceline to western side of ditch. Main stem and crown covered in ivy.		9.00	255
77	Elm	11	4	5	4	1	20e								2	2E	S	U	<10	Small tree growing alongside ditch. Main stem covered in ivy. Likely to succumb to Elm Disease.	Remove.	2.40	18
78	English oak	17	5	7	6	7	70e								2	5E	E	B2	>20	Part of a row of similar sized trees growing along fenceline to western side of ditch. Main stem and crown covered in ivy.		8.40	222
79	English oak	16	7	8	7	9	70e								3	3E	E	B2	>20	Part of a row of similar sized trees growing along fenceline to western side of ditch. Main stem and crown covered in ivy.		8.40	222
80	English oak	10	5	6	6	5		45e	45e						2	1S	E	B2	>20	Part of a row of similar sized trees growing along fenceline to western side of ditch. Main stem and crown covered in ivy.		7.64	183
81	Variegated box elder	7	4	4	4	4	15e								2	2N	S	C1	>10	Small ornamental tree growing within garden to north of allotments.		1.80	10
82	Ginkgo	5	2	2	2	2	15e								2	2E	S	C1	>10	Small ornamental tree growing in adjoining garden to north of allotments.		1.80	10
83	Norway spruce	11	4	4	4	4	31								2	2S	S	C1	>10	Conifer growing along northern boundary of allotment site.		3.72	43
84	Norway spruce	11	3	3	3	3	26								2	2S	S	C1	>10	Conifer growing along northern boundary of allotment site.		3.12	31
85	Corkscrew willow	6	1	3	3	2	15e								2	2S	S	C1	>10	Small ornamental tree growing to north of allotment site.		1.80	10
86	Variegated tulip tree	10	4	4	4	4	20e								2	2S	S	B1	>20	Reasonably well formed tree growing in garden to north of allotment site.		2.40	18
87	Paperbark birch	10	5	5	5	5	25e								2	2S	S	B1	>20	Reasonably well formed tree growing in garden to north of allotment site.		3.00	28

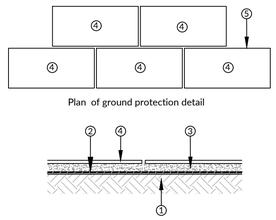
Figure 1: Example of a protective barrier



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

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Figure 2: Typical ground protection detail



1. Existing ground
2. Geotextile membrane eg. Terram 1000 or similar
3. Compression-resistant layer (e.g.100mm depth of woodchip)
4. Robust sheets (timber, steel, recycled plastic) overlying Terram 1000 or similar
5. Where wider than one sheet stagger joints

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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. Topographical survey based on M. J. Zara Associates drawing number MJZ-9026-1to11.
9. Where trees were not identified on the topographical survey they have been plotted by eye (Aerial image was used to ascertain the location/extent of trees/groups).
10. Proposed layout based on HNW Architects Proposed Site Plan (Block Plan) drawing number 26025-HNW-ZZ-ZZ-DR-A-2100 Rev P05.

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 (Temporary, for the duration of works)
- Area of ground protection as detail in Figure 2

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 or 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

Rev	Description	Date
0	Preliminary issue	18.08.26

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Client
A2 DOMINION

Project
LAND WEST OF RAVENSCROFT, STORRINGTON

Title
TREE PROTECTION PLAN

Date	Scale
AUG 2026	1:500@A1
Drawn by	Checked by
ML	JTK

Drawing Number
1452-KC-XX-YTREE-TPP02Rev0