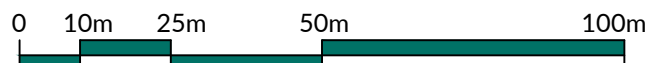
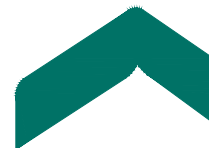


NORTH



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.
- Check if Tree Preservation Order or Conservation Area protection applies to trees before undertaking tree works.
- Topographical survey based on Malby Surveys Ltd job number 21/355.
- 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

3. Protection Areas:

- Root Protection Area (RPA)

4. Tree/Hedge numbering:

- 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 Suffix 'av' denotes an average dimension
Age Class	Class definitions: Y = Young S = Semi-mature E = Early mature M = Mature O = Over mature Summary of BS 5837: 2012 categorisation:

- 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
- 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

Preliminary management recommendations
Radius of minimum root protection area in metres calculated from section 4.6 and Annex D of BS5837:2012
Total area of minimum root protection area extrapolated from root protection radius

Rev	Description	Date
0	Preliminary issue	18.01.22

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Project
LAND WEST OF ASHINGTON CE PRIMARY SCHOOL,
ASHINGTON

Title
TREE CONSTRAINTS PLAN

Date
JAN 2022

Scale
1:1250@A1

Drawn by
ML

Checked by
JTK

Drawing Number

1780-KC-XX-YTREE-TCP01Rev0

Trees at land west of Ashington CE Primary School, Ashington																							
Tree No.	Species	H (m)	Branch Spread (m)				Stem diameters (cm)						More than 5 stems	Height of first branch (m)	Height of first major branch (m)	Direction of growth	Category grading	Condition Physiological / Structural	Preliminary management recommendations	Estimated remaining contribution (yrs)	Estimated area		
			N	E	S	W	Single Stem	Stem 1	Stem 2	Stem 3	Stem 4	Stem 5										Mean ± Stdev	No. stems
1	Row of Leyland cypresses	6m					10m										S	B2	>20	Established hedgehog alongside driveway	1.20	3	
2	Wish tree	6	3	4	1	3	3							10	6	2	2H	S	B2	>20	Forms part of the typical planting within the churchyard.	2.94	27
3	English oak	19	10	10	10	11	124								5	35	M	A1	<40	Visually significant tree within churchyard. Numerous wounds associated with past branch loss. Some splits and cavities in main branch structure. Large area of dead bark on western side of trunk at ground level.	14.88	696	
4	Yew	12	7	6	7	6	706							2	2H	E	A2	<40	Part of typical churchyard planting.	8.40	232		
5	Ash	13	4	5	4	6	334							2	2S	S	C1	>10	Ivy infested main stem. Showing signs of ash dieback.	4.20	59		
6	Row of Leyland cypresses	15m					20m							0	-	S	C2	>10	Row of outgrown cypresses outside driveway.	2.40	18		
7	Group of ash	15m					25m							6	6N	S	C2	>10	Group of trees just outside site. All showing signs of ash dieback.	3.60	41		
8	English oak	14	6	4	8	5	506							2	4S	S	B2	>20	Forms part of a small group of trees on the northern boundary. Ivy covered main stem.	6.00	113		
9	English oak	16	8	8	9	6		50	50	45				3	3S	E	B2	>20	Forms part of a small group of trees on the northern boundary. Ivy covered main stem.	10.06	318		
10	English oak	16	7	3	7	7	556							3	3W	E	B2	>20	Forms part of a small group of trees on the northern boundary. Ivy covered main stem.	6.60	137		
11	Row of mixed broadleaves	13m					25m							0	-	S	B2	>20	Row of established trees growing mostly beyond post and rail fence. Species include ash, English oak and field maple.	3.00	28		
12	Group of alder and oak with willow	16m					45m							0	-	E	B2	>20	Understory of hawthorn and blackthorn. Established run of trees along edge of pond.	5.40	92		
13	Group of alder	13	5	4	5	5	36							3	3S	S	B1	>20	Reasonably well formed tree adjoining pond.	4.32	99		
14	Group of alder	14m					35m							2	2H	S	B2	>20	Dense cluster of trees against edge of pond.	4.20	35		
15	Blackthorn hedge	1.8m					10m							0	-	E	B2	>20	Established and well maintained hedgehog between fields. Predominantly blackthorn but occasional hawthorn and hazel.	1.10	5		
16	English oak	15	6	7	7	7	756							3	3N	E	C1	>10	Established tree growing in adjoining field. Shows advanced crown dieback.	9.00	255		
17	Hawthorn and blackthorn hedge	1.8m					10m							0	-	E	B2	>20	Established and well maintained hedgehog between fields. Mixture of hawthorn and blackthorn.	1.20	5		
18	English oak	7	6	4	6	5	456	456						2	2N	E	B1	>20	Larger component of hedgehog. Twin-stemmed with both stems parallel.	7.64	183		
19	English oak	18	10	11	11	10	119							2	2S	M	A1	<40	Visually significant tree growing in field. Some sparsity of the branching in upper crown.	14.28	661		
20	Mixed broadleaf copse	<12					<30							0	-	S	B2	>20	Established copse of trees growing outside boundary of site. Species include English oak, willow, field maple, hazel, hornbeam together with some blackthorn and hawthorn.	3.60	41		

	Mixed broadleaf hedge	7m					10m							0	-	E	B2	>20	Established but outgrown hedgehog between fields. Mixed species including hawthorn, hazel, blackthorn, goat willow and some English oak saplings.	1.20	3
22	English oak	16	7	8	9	7	906							2	2S	M	A2	<40	Prominent tree growing in hedgehog. Lower stem smothered in ivy. Some dead and broken branches within crown.	10.80	366
23	English oak	17	8	7	7	9	706							4	4W	E	A2	<40	Prominent tree growing in hedgehog between fields. Lower stem and crown smothered in ivy. Some dead branches within crown.	8.40	222
24	English oak	17	4	8	9	8	706							3	3S	E	A2	<40	Prominent tree growing in hedgehog between fields. Lower stem and crown smothered in ivy. Some dead branches within crown.	8.40	222
25	English oak	16	7	7	7	7	556							3	3S	E	B2	>20	Prominent tree growing in hedgehog between fields. Lower stem and crown smothered in ivy. Some dead branches within crown.	6.60	137
26	Field maple	10	4	4	3	2		27	16	17				2	2S	E	B2	>20	Contributes to hedgehog.	4.28	58
27	Mixed broadleaf tree belt	<18					<75							0	-	E	A2	<40	Upper canopy consist of English oak with some ash. Understory is predominantly blackthorn and hawthorn with occasional holly.	9.00	235
	Mixed broadleaf hedgehog	6m					10m							0	-	E	B2	>20	Established but outgrown hedgehog between fields. Some in places. Contains primarily field maple, hawthorn and blackthorn.	1.20	3
29	English oak	18	7	7	6	8	71							4	4NE	E	A2	<40	Forme part of a row of similar size trees within hedgehog.	8.52	228
30	English oak	17	4	8	8	7	72							2	2E	E	A2	<40	Forme part of a row of similar size trees within hedgehog.	8.64	235
31	English oak	18	8	8	9	8	81							4	4SE	E	A2	<40	Forme part of a row of similar size trees within hedgehog.	9.72	297
32	Group of English oak	6m					15m							0	-	S	C2	>10	Larger component of hedgehog.	1.80	10
33	English oak	16	7	8	7	7	61							2	2N	E	B2	>20	Established larger tree within hedgehog but younger than the other oaks. Broad spreading form. Partially smothered in ivy.	7.32	168
34	English oak	16	7	8	9	7	74							2	2N	E	B2	>20	Established tree within hedgehog. Broad spreading form.	8.88	248
35	Mixed broadleaf copse	<11					<25							0	-	S	C2	>10	Patch of what appears to be natural regeneration. Following succession of farming. Mixture of pioneer species including birch, alder, hazel and hawthorn.	3.00	28
36	English oak	16	7	5	7	7	71							2	2E	E	A2	<40	Part of a line of similar sized oaks along edge of field.	8.52	228
37	English oak	17	6	8	9	7	79							4	4S	E	A2	<40	Part of a line of similar sized oaks along edge of field.	9.48	282
38	English oak	17	8	7	10	8	77							4	4S	E	A2	<40	Part of a line of similar sized oaks along edge of field.	9.24	268
39	English oak	14	4	5	7	3								3	3S	S	U	>10	Primary feature of main stem. Unsuitable to long term retention.	5.88	109
40	English oak	16	7	7	9	7	69							3	3N	E	B2	>20	Densely spaced group of trees at edge of field.	8.28	215
41	Group of English oak	17m					70m							4	4S	E	A2	<40	Densely spaced group of trees at edge of field.	8.40	222
42	Pair of field maple	13m					50m							4	4N	E	B2	>20	Pair of larger examples of this species. Probably remnant of old hedge line.	6.00	113
43	Ash	16	7	7	8	10	73							5	5S	E	C1	>10	Prominent tree growing along ditch line. However signs of ash dieback. Unsuitable to long term retention.	8.76	241
44	English oak	18	11	8	11	12	1106							4	4SW	M	A2	<40	Visually significant tree being part of a line of trees extending north and south. Lower stem partially smothered in ivy. Some dead branches and cavities associated with past branch loss.	13.20	547
45	English oak	17	13	15	11	10	131							2	2E	M	A2	<40	Visually significant tree being part of a line of trees extending north and south. Lower stem partially smothered in ivy. Some dead branches and cavities associated with past branch loss.	15.00	707
46	Mixed broadleaf hedge	7m					10m							0	-	E	B2	>20	Established but outgrown hedgehog growing along ditch line.	1.20	3
47	Mixed broadleaf	14m					25m							0	-	S	C2	>10	Cluster of small trees at corner of field. Species include hawthorn, field maple and ash. Ash showing signs of ash dieback.	3.00	28
48	Pair of field maple	14m					45m							2	2N	M	B2	>20	Pair of trees growing larger example of species. Stems partially smothered in ivy.	5.40	92
49	English oak	16	8	8	9	8	73							6	6S	E	A2	<40	Established tree growing in corner of field. Broad-spreading form. Main stem partially smothered in ivy.	8.76	241
50	English oak	19	15	15	15	15	1556							3	3N	M	A1/2	<40	Visually significant and large example of species growing beyond site. Broad-spreading form.	15.00	707
51	Row of English oak	18m					75m							3	3E	E	A2	<40	Closely spaced trees growing along hedge line. Most trees partially smothered in ivy.	9.00	255
52	English oak	17	7	9	8	8	806							3	3W	E	A2	<40	Prominent tree growing along hedge line. Main stem smothered in ivy. Numerous dead branches. Some hollows associated with past branch loss.	9.60	290
53	English oak	13	6	5	2	5	74							6	6NE	S	C1	>10	Surpassed by larger tree.	8.88	248
54	Ash	13	5	6	6	5	41							3	3W	S	U	>10	Advanced ash dieback.	4.44	61
55	Field maple	14	4	6	7	5	41							2	2NE	E	B2	>20	Forme part of a group of trees at the edge of the field. Crown supported by adjoining larger oak.	4.92	76
56	English oak	18	6	7	7	7	76							4	4S	E	B2	>20	Forme part of group trees at edge of field. Main stem partially smothered in ivy. Some dead branches within crown.	9.12	261
57	Goat willow	9	7	5	5	6		39	16	21				0	-	S	U	>10	Partially failed stems that are resting in adjoining hedge and pond. Coppicing would promote low level regeneration.	5.65	100
58	English oak	13	5	3	6	4	43							2	2E	S	C1	>10	Small tree between field and pond.	5.16	84
59	English oak	18	8	10	12	10	906							3	3N	M	A2	<40	Forme part of a row of similar size trees along Lancing Brook between fields. There are some decaying remnants of offal lower fungal between buttresses on northern side. Main stem smothered in ivy. Some dead branches within crown.	10.80	366
60	Group of English oak	18m					75m							3	3E	E	A2	<40	Densely spaced group of trees that extend to the north beyond the survey area. All trees stand to the west of Lancing Brook.	9.00	255
61	English oak	12	5	5	0	4	41							4	4E	S	C1	>10	Exhibiting decline. Some splits in bark. Heightening rate his died.	4.92	76
62	English oak	10	3	5	7	5	44							3	3E	S	U	>10	Predominantly dead.	5.28	88
63	English oak	14	7	7	7	5	72							2	2N	E	B2	>20	Stands at edge of field. Has been pruned in winter to give it a more open appearance. Some dead branches within crown.	8.64	235
64	Hazel hedge	3m					10m							0	-	E	B2	>20	Established hedgehog along Lancing Brook. Increasingly dead basal stems. Contains occasional field maple. Previously managed as a brushy hedge.	1.20	3
65	English oak	17	9	8	8	8	79							4	4E	E	A2	<40	Prominent broad-spreading tree growing in corner of field. Main stem contains some deadwood.	9.48	282
66	English oak	16	6	6	4	4	57							3	3E	E	B2	>20	Established tree growing in corner of field. Lower stem partially smothered in ivy.	8.64	147
67	Hazel	4	2	3	3	3	286							2	2S	S	C1	>10	Established tree growing on crown bank. Lower stem partially smothered in ivy.	3.00	78
68	English oak	10	3	7	2	2	14							2	2S	S	C3	>10	Small tree growing on hedge line.	1.68	9
69	English oak	7	5	2	2	2	956							2	2N	M	A2	<40	Small tree growing in corner of field. Main stem smothered in ivy. Some dead branches have been cut down. Partial covering of ivy on lower stem. Some deadwood in branches within crown.	11.40	408