



NOTES

- This survey information has been prepared for planning purposes only. Additional detail will be needed for foundation design.
- 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 Maltby Surveys Ltd drawing number 21/355
- Where trees were not identified on the topographical survey they have been plotted by eye.
- Drainage Strategy based on Ardent drawing number 2108611-003 Rev D & 2108611-004 Rev C.

KEY

- Existing site features
- Proposed layout
- Proposed drainage strategy
- Trees retained (Green-coloured line indicates extent of canopy)
- Root Protection Area (RPA) (where RPAs overlap the shading will appear darker)
- Trees for removal (Red-coloured dash line indicates extent of canopy)
- 2.0m high barrier as detail in Figure 1
- Minimum extent of no-dig construction. Actual deployment may be greater. As detail in Figure 3

Column Heading	Explanation
Tree No.	Unique number corresponding to number on plan
Species	Species 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 to 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
Observations as to health	Suffice 'v' denotes an estimated dimension
Age Class	Suffice 'a' denotes an average dimension
	Age Class definitions:
	Y - Young, S - Semi-mature, E - Early mature, M - Mature, O - Over mature
Category grading and Estimated remaining Contribution (m)	Summary of BS 5837:2012 categorisation:
	1. Trees unsuitable for retention:
	U - trees 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 > - trees of high quality (substantial contribution >40 yrs)
	B1 - 2 or > - trees of moderate quality (significant contribution >20 yrs)
	C1 - 2 or > - trees of low quality (but adequate, >10 yrs or young trees - until new planting can be established)
Estimated remaining contribution	Note: Useful estimated remaining contribution of the 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 remedial or defect remediation during the survey
Root Protection Radius	Radius of minimum root protection area in metres calculated from section 6 and Annex D of BS5837:2012
Root Protection Area	Total area of minimum root protection area extrapolated from root protection radius

Survey of trees on land west of Ashington CE Primary School, Ashington																								
Tree No.	Species	Ht (m)	Branch Spread (m)					Single Stem	Stem diameters (cm)					Age class	Condition	Physiological / Structural	Tree works to BS3998	Root protection radius (m)	Root protection area (m²)					
			N	E	S	W	Sum		2-5 stems															
									Stem 1	Stem 2	Stem 3	Stem 4	More than 5 stems											
1	Row of Leyland cypresses	6m		1m				10m						0	-	S	B2	>20	Established hedgehog alongside driveway.	Remove.	1.20	5		
2	Holly	6	3	4	3	3								10	6	2	2H	S	B2	>20	Form part of the typical plantings within the churchyard.		2.94	27
3	English oak	19	10	10	10	11	124							5	5S	M	A1	>40	Visually significant tree within churchyard. Numerous records associated with past branch loss. Some saplings 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	70e							2	2N	E	A2	>40	Part of typical churchyard plantings.					
5	Ash	13	6	5	6	6	35e							2	2S	S	C1	>10	Ivy smothered main stem. Showing signs of ash dieback.					
6	Row of Leyland cypresses	15m	3m	3m	3m	3m	3m							0	-	S	C2	>10	Row of edgeline cypresses outside driveway.	Remove section as shown.	2.40	18		
7	Group of ash	15m	6m	6m	6m	30m								6	6N	S	C2	>10	Group of trees just outside site. All showing signs of ash dieback.					
8	English oak	14	6	6	8	5	50e							2	4S	S	B2	>20	Form part of a small group of trees on the northern boundary. Ivy covered main stem.					
9	English oak	16	8	8	9	6		50	50	45				3	3S	E	B2	>20	Form part of a small group of trees on the northern boundary. Ivy covered main stem.					
10	English oak	16	7	3	7	7	55e							3	3W	E	B2	>20	Form part of a small group of trees on the northern boundary. Ivy covered main stem.					
11	Row of mixed broadleaves	13m		4m			25m							0	-	S	B2	>20	Row of established trees growing mostly beyond post and rail fence. Species include ash, English oak and field maple.	Established run of trees along edge of pond.	3.00	38		
12	Group of alder and crack willow	16m		7m			45m							0	-	E	B2	>20	Reasonably well formed tree adjoining pond.					
13	English oak	13m	5	4	5	5	35e							3	3S	S	B1	>20	Dense cluster of trees against edge of pond.					
14	Group of alder	14m	5m	5m	5m	35m								2	2N	S	B2	>20	Dense cluster of trees against edge of pond.					
15	Blackthorn hedge	1.8m		1m			10m							0	-	E	B2	>20	Established and well maintained hedgehog between fields. Predominantly blackthorn but occasional hawthorn and hazel.					
16	English oak	15	6	7	7	7	75e							3	3N	E	C1	>10	Established tree growing in adjoining field. Shows advanced crown dieback.					
17	Hawthorn and blackthorn hedge	1.8m	1m	1m	1m	10m								0	-	E	B2	>20	Established and well maintained hedgehog between fields. Mature of hawthorn and blackthorn.	Remove section as shown.	1.20	5		
18	English oak	7	6	4	6	5	45e	45e						2	2N	E	B1	>20	Larger component of hedgehog. Twin-stemmed with both stems partially smothered in ivy.	Crown lift to 3m above proposed driveway.	7.64	183		
19	English oak	18	10	11	11	11	119							2	2S	M	A1	>40	Visually significant tree growing in field. Some sparsity of tree branching in upper canopy.	Crown lift to 3m above proposed level.	14.28	641		
20	Mixed broadleaf copse	>12	>6	>6	>6	>30								0	-	S	B2	>20	Established copse of trees growing outside boundary of site. Species include English oak, willow, field maple, hazel, holly, ash together with some blackthorn and hawthorn.	Remove section as shown.	3.60	41		

	Mixed broadleaf hedge	7m		2m		10m								0	-	E	B2	>20	Established but overgrown hedgehog between fields. Mixed species including hawthorn, hazel, blackthorn, goat willow and some English oak saplings.	Remove section as shown.	1.20	5				
22	English oak	16	7	8	7	9	90e							2	2S	M	A2	>40	Prominent tree growing in hedgehog. Lower stem and crown smothered in ivy. Some dead and broken branches within crown.		10.80	368				
23	English oak	17	8	7	7	9	70e							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	70e							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	55e							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								2	2S	E	B2	>20	Contributes to hedgehog between fields. Lower stem and crown smothered in ivy. Upper canopy consists of English oak with some ash. Understorey is predominantly blackthorn and hawthorn with occasional holly.	Remove.	4.28	38				
27	Mixed broadleaf tree belt	>18	>9	>9	>9	>75								0	-	E	A2	>40	Form part of a row of similar size trees within hedgehog.	Remove.	9.00	255				
28	Mixed broadleaf hedgehog	6m		3m		10m								0	-	E	B2	>20	Established but overgrown hedgehog between fields. Sparse in places. Contains primarily field maple, hawthorn and blackthorn.	Cut back to provide space for headwall construction.	1.20	5				
29	English oak	18	7	7	6	8	71							4	4NE	E	A2	>40	Form 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	Form part of a row of similar size trees within hedgehog.	Crown lift to 4m above proposed pathway.	8.64	235				
31	English oak	18	8	8	9	8	81							4	4SE	E	A2	>40	Form part of a row of similar size trees within hedgehog.		9.72	297				
32	Group of English oak	9m		3m		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 overgrown than the other oaks. Broad spreading form. Partially smothered in ivy.	Crown lift to 4m above proposed pathway.	7.32	168				
34	English oak	16	7	8	9	7	74							2	2N	E	B2	>20	Established tree within hedgehog. Broad spreading form.		8.68	248				
35	Mixed broadleaf copse	>11	>4	>4	>4	>25								0	-	S	C2	>10	Part of a row of trees appears to be natural regeneration following succession of farming. Mature of pioneer species including birch, holly, English oak, goat willow.		3.00	38				
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	280				
39	English oak	14	4	4	5	3	37							3	3S	E	A2	>40	Primary foliage of main stem. Unsuitable to long term retention.		5.88	169				
40	English oak	16	7	7	9	7	69							3	3N	E	B2	>20	Part of a line of similar sized oaks along edge of field.		8.28	215				
41	Group of English oak	17m		9m		70m								4	4S	E	A2	>40	Densely spaced group of trees at edge of field. Most trees contain some deadwood.		8.40	222				
42	Pair of field maples	13m		3m		50m								4	4N	E	B2	>20	Pair of larger examples of this species. Probably remnants 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. Showing signs of ash dieback. Unsuitable to long term retention.		8.76	241				
44	English oak	18	11	8	11	12	110e							4	4SW	M	A2	>40	Partially 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	2SE	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		3m		10m								0	-	E	B2	>20	Part of a row of similar sized trees growing along ditch line.		1.20	5				
47	Mixed broadleaf copse	14m		3m		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	38				
48	Pair of field maples	14m		3m		45m								2	2N	M	B2	>20	Pair of close 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	B2	>20	Established tree growing on corner of field. Broad-spreading form. Main stem partially smothered in ivy.	Remove.	8.76	241				
50	English oak	19	15	14	13	15	155e							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		10m		75m								3	3SE	E	A2	>40	Closely spaced trees growing along hedge line. Main stems covered in ivy.		9.60	293				
52	English oak	17	7	9	8	8	80e							3	3W	E	A2	>40	Prominent tree growing long 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							4	4NE	S	C1	>10	Suppressed by larger tree.		8.88	248				
54	Field maple	14	4	6	7	5	41							3	3W	E	B2	>20	Form part of a group of trees at the edge of the field. Crown spread by adjoining larger oak.		4.92	76				
55	English oak	16	8	7	7	7	76							4	4S	E	B2	>20	Form part of group trees at edge of field. Main stem partially smothered in ivy. Some dead branches within crown.		9.12	261				
56	Good willow	9	7	5	5	6								0	-	S	U	>10	Partially foliated stems that are resting in adjoining hedge and pond. Coppicing would promote new stem regeneration.		5.65	100				
57	English oak	13	5	5	6	4	40							2	2SE	S	C1	>10	Form part of a row of similar sized trees along Lancing Brook between fields. There are some showing evidence of after lower finger between buttresses on northern side. Main stems smothered in ivy. Some dead branches within crown.		5.16	161				
58	English oak	13	5	5	6	4	40							2	2SE	S	C1	>10	Form part of a row of similar sized trees along Lancing Brook between fields. There are some showing evidence of after lower finger between buttresses on northern side. Main stems smothered in ivy. Some dead branches within crown.		5.16	161				
59	English oak	14	7	7	5	7	72							3	3N	E	B2	>20	Established tree growing on corner of field. Has spread on western side but provides little shade overhead ivies.		8.64	235				
60	English oak	18m		9m		75m								3	3SE	E	A2	>40	Establishing decline. Some saplings in neighbouring tree has died.		4.92	76				
61	English oak	12	5	5	9	4	41							4	4E	S	C1	>10	Establishing decline. Some saplings in neighbouring tree has died.		4.92	76				
62	English oak	10	5	5	7	5	44							2	2SE	S	E	B2	>20	Stands at corner of field. Has spread on western side but provides little shade overhead ivies.		5.28	168			
63	English oak	14	7	7	5	7	72							3	3N	E	B2	>20	Established tree growing on corner of field. Has spread on western side but provides little shade overhead ivies.		8.64	235				
64	Good hedgehog	3m		3m		10m								0	-	E	B2	>20	Established hedgehog along Lancing Brook. Presently well covered in ivy. Occasional field maple. Previously maintained at circa 5m in height.	Remove section as shown.	1.20	5				
65	English oak	17	9	8	8	7	79							4	4E	E	A2	>40	Prominent broad-spreading tree growing along Lancing Brook. Crown contains some deadwood.	Remove.	9.48	282				
66	English oak	14	6	6	4	4	57							3	3E	E	B2	>20	Established tree growing on stream bank. Lower stem partially smothered in ivy.	Remove.	6.84	147				
67	Yew	6	2	2	3	3	25e							2	2S	S	C1	>10	Small tree growing on hedge line.		3.00	28				
68	English oak	14	6	6	6	6	61							2	2N	E	C1	>10	Form part of a line of trees at the edge of the field. Appear to have been here for some time. Some deadwood but have not colonised at circa 2m above ground level. Partial covering of ivy on lower stem. Some deadwood in branches within crown.	Crown lift to 4m over ivy.	11.40	408				