

APPENDIX 1 - Tree Schedule – Barf's Road, Distington, Cumbria, CA14 5TG

Tree ID	Common Name	Botanical Name	Height (m)	Calc. / Actual Stem Dia. (mm)	Crown spread (m)				Height (m) & Orientation of First Significant Branch	Life Stage	General Observations	Preliminary Recommendations	Estimated Remaining Contribution (Years)	BS5837: 2012 Category
					N	E	S	W						
T1	Mountain ash	<i>Sorbus aucuparia</i>	8m	140	0.5	0.5	0.5	0.5	2m East	Young	Basal strimmer damage.	No work required.	10 - 20	C
T2	Silver birch	<i>Betula pendula</i>	9m	110	1.5	1.5	1.5	1.5	2.5m North	Young	Growing on property boundary. Dieback in the crown, deadwood. Basal strimmer damage.	Fell.	<10	U
T3	Whitebeam	<i>Sorbus aria</i>	14m	350	3	3	3	3	2.5m South east	Middle aged	Significant basal strimmer / mower damage.	No work required.	10 - 20	C
T4	Mountain ash	<i>Sorbus aucuparia</i>	6m	100	1	1	1	1	1.5m West	Young	Basal strimmer damage.	No work required.	10 - 20	C
T5	Poplar	<i>Populus spp.</i>	12m	340	3	3	2	3	1.9m North	Middle aged	Basal strimmer damage.	No work required.	10 - 20	C
T6	Silver birch	<i>Betula pendula</i>	5m	160	2	2.5	2	2	2.2m South	Young	Good form tree, Basal strimmer damage.	No work required.	10 - 20	C
T7	Hybrid Poplar	<i>Populus. x canadensis</i>	17m	730	5	6	5.5	6	3m South	Middle aged	Large tree, some minor stem damage.	No work required.	10 - 20	C

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					N	E	S	W						
T8	Ash	<i>Fraxinus excelsior</i>	7.5m	230	2	2	1.5	2	2m North	Young	Low vigour noted, reasonable form. Basal damage.	Monitor for ash dieback.	10 - 20	C
T9	Poplar	<i>Populus alba</i>	6m	140	2	2	2	2	2m South	Young	Basal damage.	No work required.	10 - 20	C
T10	Mountain ash	<i>Sorbus aucuparia</i>	4m	80; 100	2	1	1	1	2m North	Young	Leaning heavily to the north, extensive bark damage at the base from mower/strimmers. Poor form.	Fell & replant	<10	U
T11	Sycamore	<i>Acer pseudoplatanus</i>	5m	130; 150	2	3	2	2	1.8m North east	Young	Epicormic shoots leaning eastwards. Crown weighted eastwards. Poor form.	Prune epicormic shoots from the base, prune over footpath.	10 - 20	C
T12	Ash	<i>Fraxinus excelsior</i>	10m	240	3	3	3	3	2m North	Young	Stem wound on south west side, bacterial canker noted. Twin @ 1.9m	Fell & replant	<10	U
T13	Sycamore	<i>Acer pseudoplatanus</i>	12m	530	5	5	5	5	2m East	Middle aged	Good form and condition. No visible defects.	No work required.	20 - 40	B
T14	Beech fastigate	<i>Fagus sylvatica</i> 'Dawyck'	8m	100; 60; 80	1	1	1	1	N/A	Young	Upright formed tree, stem damage noted.	No work required.	10 - 20	C

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					N	E	S	W						
T15	Beech fastigiate	<i>Fagus sylvatica</i> 'Dawyck'	7.5m	140; 60	1	1	1	1	N/A	Young	Upright formed tree, stem damage noted.	No work required.	10 - 20	C
T16	Cherry	<i>Prunus avium</i>	11m	380	2	3	3	3	2.5m South	Middle aged	Bark removed through vandalism, Significant stem damage, open wound.	Fell & replant.	<10	U
T17	Alder	<i>Alnus glutinosa</i>	12m	360	3	3	2	3	1.9m West	Middle aged	Good formed tree, no visible defects.	No work required.	10 - 20	C
T18	Field maple	<i>Acer campestre</i>	10m	310	2.5	4	3	2	2.2m East	Middle aged	Leaning slightly to the east crown weighted to the east. Stem damage.	No work required.	10 - 20	C
T19	Horse chestnut	<i>Aesculus hippocastanum</i>	6m	140; 150; 120	1.5	1.5	2	2	2m West	Young	Basal stem damage from strimmer.	No work required.	10 - 20	C
T20	White poplar	<i>Populus alba</i>	8m	150; 160; 170; 160	3.5	4	4	4	1.8m East	Middle aged	Multi stem tree with significant stem damage.	Coppice.	10 - 20	C

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					N	E	S	W						
T21	Mountain ash	<i>Sorbus aucuparia</i>	7m	80; 100; 80	1.5	1.5	1.5	1.5	1.6m East	Middle aged	Multi stem tree, growing by wall.	No work required.	10 - 20	C
T22	Field maple	<i>Acer campestre</i>	10m	180; 140; 160	3.5	2	4	3	2m South west	Middle aged	Suppressed by T23. Stem damage.	No work required.	10 - 20	C
T23	Goat willow	<i>Salix caprea</i>	12m	9x stems avg. 180	6	5.5	5	4.5	2.5m East	Middle aged	Large multi stem tree growing close to a wall.	No work required.	10 - 20	C
T24	Cherry	<i>Prunus avium</i>	8m	300	2.5	2.5	2.5	2.5	1.8m North	Middle aged	Leaning north, stem damage.	No work required.	10 - 20	C
T25	Ash	<i>Fraxinus excelsior</i>	10m	270	4	3.5	4	3	1.7m East	Middle aged	Larger ash tree than the two adjacent, dominant and reasonable form and condition.	No work required.	10 - 20	C
T26	Ash	<i>Fraxinus excelsior</i>	8m	140	2	1.5	1	1.5	2m South	Young	Poor condition, some deadwood.	No work required.	10 - 20	C
T27	Ash	<i>Fraxinus excelsior</i>	7m	120	1	1	1	1	N/A	Young	Dead, ash dieback.	Fell.	Dead	U

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					N	E	S	W						
T28	Hazel	<i>Corylus avellana</i>	4m	10x stems avg. 75	3.5	3.5	3.5	3.5	N/A	Young	Group of hazel stems previously coppiced. Some dead stems within.	Prune dead stems.	10 - 20	C
T29	Sycamore	<i>Acer pseudoplatanus</i>	7m	85	1	1	1	2	2m West	Young	Growing within Hedge H1. No visible defects.	No work required.	10 - 20	C
T30	Ash	<i>Fraxinus excelsior</i>	11m	200	1	1	1	1	2.5m East	Young	Ash dieback noted. Poor condition. Large amount of deadwood. Ivy on stem.	Fell.	<10	U

APPENDIX 1 - Group / Hedge Schedule - Tree Schedule – Barf's Road, Distington, Cumbria, CA14 5TG (continued).

Group ID	Common Names	Est. No. of Trees	Average Height (m)	Calc. / Actual Stem Dia. (mm)	Crown spread (m)				Life Stage	General Observations	Preliminary Recommendations	Estimated Remaining Contribution (Years)	BS5837: 2012 Category
					N	E	S	W					
G1	Scots pine, Japanese larch, yew, holly, sycamore, silver birch, alder	30	15m	250					Middle aged	Mainly a Scots pine group of trees of similar age and size. Two yew trees within are both poor in condition having been badly pruned. Larch tree on far west with wood nailed to the stem for a tree house.	No work required.	10 - 20	C
G2	Largely ash with a few beech and hazel	~20	12m	100					Young	Ash trees with dieback. Class 3/4. Beech tree with stem damage.	Fell ash and damaged beech tree	<10	U
G3	Oak, cherry, sycamore, hazel, beech	~50	12m	300					Young	Shelterbelt planting of oak with the occasional mature sycamore to the east.	Retain. Would benefit from some selective thinning to favour the oak stems.	20 - 40	B

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					N	E	S	W					
Hedge 1	<i>Privet</i>		2.5m	~20mm stem diameter					Middle aged	Largely undermanaged privet hedge.	Would benefit from being reduced and brought back into regular maintenance.	10 - 20	C
Hedge 2	<i>Hawthorn, blackthorn</i>		2m	~20mm stem diameter					Middle aged	Largely undermanaged hedge with dense bramble within. Should be trimmed back regular to maintain as a boundary hedge. The larger sycamore are on the adjacent land.	Remove bramble, trim to maintain.	10 - 20	C

* Our interpretation of BS5837 standard is that the categories cannot easily be applied to hedges as they rarely have significant arboricultural merit. They are however frequently purely functional, with any such value being itself dependent upon the use to which the surrounding land is put. Their potential life expectancy is also difficult to quantify being almost entirely dependent upon the management regime applied.

NOTES:

1. There is widespread strimmer / mower damage to the vast majority of trees on the site, except within the groups. All of this damage was avoidable and will likely have a detrimental impact on tree health.
2. Ash dieback is widespread and the trees with significant dieback should be removed given the high usage of the area.
3. Tree protection measures will need to be adequately set out and managed during construction.
4. Given the number of trees on site an annual tree survey for safety is recommended.