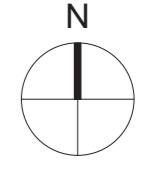


## Key

- Existing tree (T prefix), tree group (G) or significant hedge (H). Colour coded according to BS5837 quality assessment criteria (see Table 1)
- Root protection area, derived from guidance within BS5837, any offsetting is specifically noted
- Existing levels
- Structures to be demolished
- Proposed buildings
- Proposed access and areas of hard surfacing
- Proposed attenuation pond
- Notes relating to specific arboricultural issues



### BS 5837 Tree Categorisation (from BS5837: 2012, Table 1)

- Category 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
- Category A: Trees of high quality with an estimated life expectancy of at least 40 years
- Category B: Trees of moderate quality with an estimated life expectancy of at least 20 years
- Category C: Trees of low quality with an estimated life expectancy of at least 10 years, or young trees with a stem diameter below 150mm

Site:  
Land North of Lake Lane  
Barnham  
PO22 0AJ

Title:  
Arboricultural Impact Assessment Plan

Please check all dimensions on site and notify us of any discrepancies.  
This drawing was prepared in colour, do not rely on monochrome copies.  
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Scale: 1: 250 @ A1 0m 2.5 5 7.5 10 12.5

Dwg No 2409/67/AIA Revision

Date: November 2024 Drawn by: NRB



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### Schedule of trees

No	Species	No of Stems	SD* (mm)	Hgt	Crown radii N	E	S	W	CRH	Age	PC	Comments	Preliminary recommendations	Life Exp	BS Cat	Sub RPA	RPA Rad (m)		
T1	Himalayan Birch	1	150	7	2.3	2.25	2.25	2.3	1.75	SM	Good	1.5m from fence overhangs access by 1m		40+	C	1	10	1.8	
T2	Pittosporum	2	355	7	2.5	2.5	2.5	2.5	2.25	EM	Fair	Off-site. Two 250mm diameter stems. Sparse crown		20+	C	1	57	4.3	
G3	Ash	1	400	7	3	3	3	3	5	EM	Fair	Off-site. Two trees of similar size. Previously topped at 2m. Southernmost tree has symptoms of Ash Dieback Disease		10+	C	1	72	4.8	
G4	Hawthorn	3	435	6	3	3	3	3	1.5	M	Good	Irregular row of six trees, mostly twin or triple stemmed, stems 250mm diameter. Of some habitat value		20+	B	1;2	86	5.2	
T5	Alder	1	400	11	4	4.5	3.5	4.5	2	M	Good	Ownership unclear, boundary poorly defined.		40+	B	1;2	72	4.8	
T6	Silver Birch	1	220	14	4	4	4	4	2.5	EM	Good	Good form		40+	B	1;2	22	2.6	
G7	Hawthorn & Goat Willow	2	185	3.5	3.5	3.5	3.5	3.5	0	SM	Fair	Both twin stemmed, maximum diameter 130mm		10+	C	N/A	15	2.2	
T8	Lombardy Poplar	1	580	20	4	2	3	3	4	M	Fair	Off-site. First of a row of similar trees that runs eastwards from boundary		20+	B	1;2	152	7.0	
T9	Willow	1	750	18	8	6	6	6	9	0	M	Fair	Off-site, east of ditch. Overhangs site by 5m. 20cm diameter limb on west side has split over ditch and end is resting within site	Cut back split branch to boundary. Advise owner of condition	20+	B	2	255	9.0
T10	Willow	1	450	18	8	5	4	9	2.5	M	Fair	Off-site. East of ditch		40+	B	1;2	92	5.4	
T11	Oak	1	300	9	5.5	2.5	2.5	5.5	0	SM	Fair	Off-site. Dominated by trees to east		40+	C	2	41	3.6	
G12	Alder	1	430	14	4	5	4	5	2.5	M	Poor	Off-site. Two trees of similar size both have been topped previously at 4.5m resulting in poor form and decay in topping wounds		10+	C	2	84	5.2	
G13	Mixed species	1	250	10	4	4	4	4	0	EM	Fair	Mix of cherry, hawthorn plum and one oak (with extensive squirrel damage). Maximum dimensions shown, most are below 8m high. Some screening value but individually trees quite mediocre		40+	C	1;2	28	3.0	
T14	Horse Chestnut	1	450	15	6	7	2	6	2	M	Fair	Off-site. Previously topped at 3.5m. poor form due to topping and dominance of adjacent trees		40+	B	2	92	5.4	
T15	Sycamore	1	520	20	6	8	3	8	4	M	Fair	Off-site. Previously topped at 4m		40+	B	1;2	122	6.2	
T16	Lime	1	530	23	5	8	3	8	3	M	Fair	Off-site. Previously topped at 4.5m		40+	B	1;2	127	6.4	
T17	Sycamore	1	200	14	1	4	1	4	3	SM	Fair	Off-site. Two small trees growing 1m apart		20+	C	2	18	2.4	
T18	Horse Chestnut	1	720	17	6	8	6	8	2	M	Good	Off-site. Possibly topped previously at 4.5m. Heavy, 430mm diameter limb arises at 2m and extends over site		40+	B	1;2	235	8.6	
T19	Sycamore	2	370	15	4	5.5	3	6	4	EM	Fair	Off-site. Twin stem tree of reasonable form, both stems 260mm diameter		40+	B	1;2	62	4.4	
T20	Oak	1	520	14	6	8.5	7	8	4	EM	Good	Off-site		40+	A	1;2	122	6.2	
T21	Hornbeam	1	350	8	4	9	7	2	1	EM	Poor	Suppressed due to dominance of adjacent oak		20+	C	2	55	4.2	
T22	Goat Willow	2	150	8	2	2	1.5	1	0	SM	Fair	Previously coppiced. Stems 120 & 90mm diameter. Insignificant.		40+	B	1	10	1.8	
T23	Ash	1	450	18	6	6	6	1	EM	Fair	Off-site. Slightly sparse crown, possibly due to Ash Dieback Disease		20+	B	1;2	92	5.4		
T24	Leyland Cypress	3	175	6	1	2.5	2	1	1	EM	Poor	Off-site. Three 100mm diameter stems. End of row extending west from boundary. Others are in reasonable condition but this is half dead. Might survive 10 years.		10+	C	N/A	14	2.1	
T25	Cherry	1	380	8	6	6	5	4	1.5	M	Fair	Off-site. 2m boundary		20+	C	1	65	4.6	
T26	Cherry	1	80	4	2	3	2.5	2	2	SM	Fair	On site dominated by last tree, insignificant		20+	C	N/A	3	1.0	
T27	Cherry	3	130	5	2	2.5	2.5	1.5	2	SM	Fair	On fence line, possibly previously coppiced. Stems 80, 80 and 65mm diameter. Insignificant		20+	C	N/A	8	1.6	

All dimensions in metres unless otherwise stated. Dimensions of trees growing outside the site may be estimated. Age categories: Y=Young, SM=Semi-Mature, EM=Early Mature, M=Mature, LM=Late Mature, V=Veteran. PC = Physiological Condition.

Root protection areas (RPA) calculated following guidance provided in BS5837:2012. \*Stem diameters of multi-stem trees are calculated in accordance with BS5837 section 4.6. ▲ Alternative calculation of 15 times stem diameter used for veteran trees.