



Beechdown Arboriculture Limited
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West Sussex BN18 9RB



Arb oric ultura l Re po rt

Ba rnside , Ho ok La ne , Alding bo urne PO20 3TE

Pre pa re d by

Jona tha n Rod we ll NCH (Arb.)

November 2013

Beechdown ref: B/0076/13

Hook Lane – BS 5837 tree survey – November 2013

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Summary:

- A survey was undertaken to assess the quality of 20 trees;
- three hedgerows were identified and their basic details noted;
- an area for potential development beyond the root protection areas of the trees and hedgerows was outlined;
- a further area for potential development with minimal tree and hedgerow loss was outlined.

1.0 INTRODUCTION

1.1 I have received instruction from Jo Buxton BA (Hons), DIP Arch, ARB, RIBA, Principal Architect at Spawforths, to undertake a survey of the trees on land attached to Barnside, Hook Lane, Aldingbourne PO20 3TE.

1.2 The purpose of the instruction was to:

- Assess the quality of the trees;
- provide information on the developable area of the site in relation to trees to aid in building design.

1.3 The survey was conducted and the report prepared with reference to the guidelines detailed in BS 5837:2012 "Trees in relation to design, demolition and construction – Recommendations" and according to good arboricultural practice.

1.4 Contents of the survey and report are exclusively for the use of the client; liability does not extend to any third party without our written consent.

2.0 DOCUMENTS PROVIDED

2.1 Plans from Spawforths.

- 0000-0002 - existing site plan –1:1250
- 1000-0001 - red line plan – 1/500
- Draft proposed layout for discussion - not to scale

2.2 Plans from SE Surveying.

- 001 - topographical survey – 1/100 @ A1

3.0 SITE DESCRIPTION

3.1 A plot of land to the south and west of Barnside. The site is approximately one hectare, broadly level and predominantly grassed but with a mounded area of brambles and scrubby vegetation toward the centre of the plot. Drainage ditches form the western boundary and extend partly along the southern boundary. A pond, approximately 25m x 15m, occupies the south-west corner of the plot. Several outbuildings are located to the north-west of the site. Access to the site is via the drive to Barnside and a second gateway to the field between T2 and T20. The wider landscape is semi-rural with open farmland immediately to the west.

3.2 Surveyed trees consisted of 12 within the site and eight beyond the ditch along the western boundary. In addition to the surveyed trees three hedgerows, marked as H1, H2 and H3 (detailed below) on the survey plan were identified as well as five recently coppiced trees on the eastern edge of the pond and two older stumps beyond the western boundary.

- H1 – A mixed hedgerow of field maple, hawthorn and blackthorn growing on both sides of the fence-line; the largest tree in the group is a multi-stemmed field maple of around 7.5m tall; the hedgerow extends for 4m from the boundary at its widest point and has an average stem diameter of 200mm.
- H2 – A conifer hedge consisting of 70 Leyland cypress; the average height of the hedge is 12m; it extends for around 3m from the boundary and has an average stem diameter of 250mm.
- H3 – A mixed hedgerow of small diameter multi-stemmed hawthorn, hazel, blackthorn, elder and holly; average height 6m.

3.3 The site geology is London clay formation clay, silt and sand sedimentary bedrock while the superficial geology is described by the National Soils Resources Institute as a loamy soil with naturally high groundwater. No further detailed analysis of the soil structure, composition or pH was undertaken.

4.0 SURVEY FORMAT

- 4.1 Trees included in the survey were those with a stem diameter, at 1.5m high, greater than 75mm. The trees were inspected from the ground only and no specialist decay detection was undertaken. Trees were assessed from within the site or from public areas only.
- 4.2 Data was recorded on a handheld computer, the trees plotted via GPS and their positions marked on the 1:1000 @ A4 tree survey plan (appendix 4).
- 4.3 A detailed tree survey sheet is shown as appendix 1 with an explanation of the terms and categories covered as appendix 2.
- 4.4 The extent of the survey was limited to collecting sufficient data to inform upon development of the site, it was not a detailed tree hazard or risk assessment and, unless specified, no guarantee, expressed or implied, can be given regarding the safety of the trees or their suitability for safe long term retention.

5.0 GRADING CATEGORIES

- 5.1 The quality of the surveyed trees was assessed and they were categorised to reflect the criteria recommended in Table 1 of BS 5837:2012 as detailed at appendix 3.
- 5.2 The following is a breakdown of the number of trees in each BS category:
- Category U - 0 trees;
 - category A - 1 tree;
 - category B - 15 trees;
 - category C - 4 trees.

6.0 STATUTORY CONTROLS

- 6.1 Consultation with the Local Planning Authority confirmed that Barnside is not situated within a designated Conservation Area and that no trees within the grounds are subject to a Tree Preservation Order.
- 6.2 Under the Wildlife and Countryside Act (1981) as amended by the Countryside and Rights of Way Act (2000) all birds, their nests and eggs are protected as are bats and their roosts. Further specialist

investigation may be required before undertaking any recommended works.

7.0 DEVELOPMENT POTENTIAL

- 7.1 Appendix 6 indicates an area beyond the tree canopies and root protection areas (RPAs) that could be developed without impacting upon any trees.
- 7.2 Removing the category B willow (T4) and the category C apple (T5) would marginally increase the development potential of the site whilst maintaining its overall arboricultural characteristics. The positions for additional access points to the site, beyond the RPAs of T18-T20, are shown at appendix 7 and although this would require removing sections of the hedgerow (H3) loss of screening would be minimal and additional drive ways would mirror the existing linear aspect of properties along Hook Lane.
- 7.3 The Root Protection Area calculations have been produced using the information gathered from the tree survey and section 4.6.1 of BS 5837:2012. This indicates the RPA in m² and the minimum required all round radial distances for rooting zone protection.
- 7.4 The RPA calculations are detailed in the appended tree survey and the initial dimensions marked on the 1:1000 @ A4 RPA and shade plan (appendix 5).
- 7.5 No excavation, construction or routing of service runs should take place within the RPAs of the retained trees; ideally a 2m working margin should be maintained between the RPAs and any proposed development to allow room for construction activity.
- 7.6 Consideration should be given to the effects that the current tree size, future growth potential, shade levels and leaf and fruit nuisance may have on the development proposal.
- 7.7 Tree height and crown spread measurements are detailed in the appended tree survey; the crown spread of the trees is indicated on the tree survey plan and the shadow pattern through the main part of the day is shown on the RPA and shade plan.

8.0 CONCLUSION

- 8.1 The surveyed trees and hedgerows are predominantly located around the perimeter of the site or grouped around the pond in the south-west corner.
- 8.2 Appendix 6 identifies an area beyond the RPAs of the surveyed trees and hedgerows that could be developed without any requirement for tree removal and that utilises the existing access points to the site.
- 8.3 Appendix 7 identifies a marginally larger area, on removing T4 and T5, and shows areas where additional drive ways could be positioned.
- 8.4 Building design should consider current and future growth potential of the trees particularly in relation to light levels to principle rooms and seasonal nuisance i.e. leaf fall.
- 8.5 A detailed soil assessment will inform on foundation design which should consider the effects of both retained and removed trees (including existing tree stumps).
- 8.6 In addition to this survey an arboricultural impact assessment, heads of terms method statement and draft tree protection plan supporting the final design should accompany a planning application.

9.0 REFERENCES

- 9.1 BS 5837: 2012 – Trees in relation to design, demolition and construction – Recommendations

10.0 DETAILS

- 10.1 Date of tree survey - 24.10.2013
- 10.2 Present at tree survey - Jonathan Rodwell; Alan Flemington
- 10.3 Date of report - 10.11.2013

Jonathan Rodwell NCH (Arb.)
Beechdown Arboriculture Ltd

November 2013

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BS5837:2012 Assessment**Tree ID :** T1**Tag :****Assessor :** Jonathan Rodwell**Bats :** No

Species : Common Oak
Quercus robur

TPO :**Inspected :** 24 October 2013**Cons Area :****Next Insp :** Not Required**1st Branch:** 1.5m; north-east

Stems			Health							RP		Site Status	Priority	Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)			N	E	S	W	N	E	S	W
7.5	1	310	Semi-mature	Fair	Ivy	Fair	Fair	B.1.2	>40 yrs	43.5	3.72	Pre Construction		2.5	1.5	3	3	4	4	2	1

Survey Comment :**Tree Comment :****Tree ID :** T2**Tag :****Assessor :** Jonathan Rodwell**Bats :** No

Species : Small-Leafed Lime
Tilia cordata

TPO :**Inspected :** 24 October 2013**Cons Area :****Next Insp :** Not Required**1st Branch:** 2m; south

Stems			Health					RP		Clearance (m)				Spread (m)			
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W
12	4	358	Semi-mature	Fair	Ivy	Fair	Good	B.1.2	20 to 40 yrs	58	4.29	Pre Construction		2	2	1	2

Survey Comment : Multi-stemmed, coppiced tree.**Tree Comment :**

BS5837:2012 Assessment

Tree ID : T3				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Common Oak				TPO :				Inspected : 24 October 2013				Cons Area :									
<i>Quercus robur</i>								Next Insp : Not Required													
								1st Branch: 1.5m; north-east.													
Stems			Health						RP						Clearance (m)		Spread (m)				
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
12	2	657	Mature	Fair	Ivy	Fair	Good	B.1.2.3	>40 yrs	195.5	7.88	Pre Construction		4	5	2	2.5	7	6	6	7
Survey Comment :																					
Tree Comment :																					

Tree ID : T4				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Crack Willow				TPO :				Inspected : 24 October 2013				Cons Area :									
<i>Salix fragilis</i>								Next Insp : Not Required													
								1st Branch: 2.5m; north-west													
Stems		Health						RP						Clearance (m)		Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
10	1	230	Semi-mature	Fair	Fair	Fair	Good	B.1	20 to 40 yrs	23.9	2.75	Pre Construction		1	1	1	1	2	1	2	4
Survey Comment :																					
Tree Comment :																					

Tree ID : T5				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Apple				TPO :				Inspected : 24 October 2013				Cons Area :									
<i>Malus domestica</i>								Next Insp : Not Required													
								1st Branch: 0.5m; west													
Stems		Health						RP						Clearance (m)		Spread (m)					
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
4	2	156	Semi-mature	Fair	Fair	Fair	Fair	C.1	10 to 20 yrs	10.9	1.86	Pre Construction		0.5	0.5	0.5	0.5	2	2	2	2
Survey Comment :																					
Tree Comment :																					

BS5837:2012 Assessment

Tree ID : T6				Tag :				Assessor : Jonathan Rodwell				Bats : No							
Species : Hybrid Black Poplar <i>Populus x canadensis</i>				TPO :				Inspected : 24 October 2013				Cons Area :							
Estimated Measurements												Next Insp : Not Required							
												1st Branch: 4m; south							
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
25	1	700	Mature	Good	Ivy	Fair	Good	A.1.2	20 to 40 yrs	221.7	8.4	Pre Construction		3	3	3	3		
Survey Comment : Two self-seeded poplars within canopy spread to south-west																			
Tree Comment :																			

Tree ID : T7				Tag :				Assessor : Jonathan Rodwell				Bats : No							
Species : Sycamore <i>Acer pseudoplatanus</i>				TPO :				Inspected : 24 October 2013				Cons Area :							
Estimated Measurements								Next Insp : Not Required											
								1st Branch: 1m; south-west											
Stems		Health						RP						Clearance (m)		Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
7	1	250	Semi-mature	Fair	Ivy	Fair	Good	C.2	10 to 20 yrs	28.3	3	Pre Construction		0.5	0.5	0.5	0.5		
Survey Comment :																			
Tree Comment :																			

Tree ID : T8				Tag :				Assessor : Jonathan Rodwell				Bats : No										
Species : Goat Willow <i>Salix caprea</i>				TPO :				Inspected : 24 October 2013				Cons Area :										
Estimated Measurements								Next Insp : Not Required														
								1st Branch: 1.5m; north														
Stems				Health				RP				Clearance (m)				Spread (m)						
H (m)	No	Eq	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
8	2		311	Mature	Good	Good	Fair	Good	B.2	20 to 40 yrs	43.9	3.73	Pre Construction		1	1	1	1	4	4	4	3
Survey Comment :																						
Tree Comment :																						

BS5837:2012 Assessment

Tree ID : T9				Tag :				Assessor : Jonathan Rodwell				Bats : Yes									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 24 October 2013				Cons Area :									
Estimated Measurements								Next Insp : Not Required													
								1st Branch: 2.5m; south													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
12	2	757	Mature	Fair	Fair	Poor	Fair	B.1.2.3	>40 yrs	259.4	9.08	Pre Construction		3	5	7	6	8	7	7	2
Survey Comment : Sub-dominant stem to north-west dead																					
Tree Comment :																					

Tree ID : T10				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Field Maple <i>Acer campestre</i>				TPO :				Inspected : 24 October 2013				Cons Area :									
Estimated Measurements								Next Insp : Not Required													
								1st Branch: 3.5m; north													
Stems				Health						RP				Clearance (m)		Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
12	1	380	Mature	Fair	Fair	Fair	Decline	B.2	20 to 40 yrs	65.3	4.55	Pre Construction		3	3	6	5	5	5	1	3
Survey Comment : Undersized foliage.																					
Tree Comment :																					

Tree ID : T11				Tag :				Assessor : Jonathan Rodwell				Bats : Yes									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 24 October 2013				Cons Area :									
Estimated Measurements								Next Insp : Not Required													
								1st Branch: 3m; south-west													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
14	1	720	Mature	Good	Good	Fair	Good	B.1.2	>40 yrs	234.5	8.63	Pre Construction		4	5	1.5	6	4	6	5	5
Survey Comment :																					
Tree Comment :																					

BS5837:2012 Assessment

Tree ID : T12				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Common Oak				TPO :				Inspected : 24 October 2013				Cons Area :									
<i>Quercus robur</i>								Next Insp : Not Required													
Estimated Measurements								1st Branch: 6m; north													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
15	1	740	Mature	Good	Good	Fair	Good	B.1.2	>40 yrs	247.8	8.88	Pre Construction		5	7	4	3	8	7	3	4
Survey Comment :																					
Tree Comment :																					

Tree ID : T13				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Common Oak				TPO :				Inspected : 24 October 2013				Cons Area :									
<i>Quercus robur</i>								Next Insp : Not Required													
Estimated Measurements								1st Branch: 4m; north-west													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
13	1	420	Semi-mature	Fair	Ivy	Fair	Fair	B.1.2	>40 yrs	79.8	5.03	Pre Construction		2	1	3	3	4	5	2	4
Survey Comment :																					
Tree Comment :																					

Tree ID : T14				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Common Oak				TPO :				Inspected : 24 October 2013				Cons Area :									
<i>Quercus robur</i>								Next Insp : Not Required													
Estimated Measurements								1st Branch: 3m; south													
Stems				Health				RP				Clearance (m)				Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
13	1	460	Mature	Fair	Fair	Fair	Fair	B.1.2	>40 yrs	95.7	5.51	Pre Construction		6	7	6	5	1	7	7	3
Survey Comment :																					
Tree Comment :																					

BS5837:2012 Assessment

Tree ID : T15				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : White Willow <i>Salix alba</i>				TPO :				Inspected : 24 October 2013				Cons Area :									
								Next Insp : Not Required													
								1st Branch: 1m; east													
Stems		Health						RP						Clearance (m)		Spread (m)					
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
15	2	730	Mature	Fair	Fair	Fair	Good	B.1.2	20 to 40 yrs	241.1	8.76	Pre Construction		4	2	2	1	3	6	10	2
Survey Comment : Stem to north-east coppiced at 1m																					
Tree Comment :																					

Tree ID : T16				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 24 October 2013				Cons Area :									
								Next Insp : Not Required													
								1st Branch: 1.5m; south-east													
Stems		Health						RP						Clearance (m)		Spread (m)					
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
5	1	300	Semi-mature	Poor	Ivy	Fair	Fair	C.1	10 to 20 yrs	40.7	3.59	Pre Construction		1	3	1	2	4	4	1	1
Survey Comment : Pollarded at 2.5m																					
Tree Comment :																					

Tree ID : T17				Tag :				Assessor : Jonathan Rodwell				Bats : No									
Species : White Willow <i>Salix alba</i>				TPO :				Inspected : 24 October 2013				Cons Area :									
								Next Insp : Not Required													
								1st Branch: 1.5m; south-west													
Stems			Health					RP			Clearance (m)				Spread (m)						
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W	N	E	S	W
15	2	750	Mature	Poor	Ivy	Poor	Good	B.1.2	20 to 40 yrs	254.5	9	Pre Construction		5	1	2	4	7	10	7	5
Survey Comment : Partially collapsed stem to north-east																					
Tree Comment :																					

BS5837:2012 Assessment

Tree ID : T18				Tag :				Assessor : Jonathan Rodwell				Bats : No							
Species : Crack Willow <i>Salix fragilis</i>				TPO :				Inspected : 24 October 2013				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 2.5m; west											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
12	1	220	Semi-mature	Fair	Ivy	Fair	Fair	B.2	20 to 40 yrs	21.9	2.64	Pre Construction		4	3	2	1		
Survey Comment : Climbing plants throughout crown.																			
Tree Comment :																			

Tree ID : T19				Tag :				Assessor : Jonathan Rodwell				Bats : No							
Species : Crack Willow <i>Salix fragilis</i>				TPO :				Inspected : 24 October 2013				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 1m; west											
-----Stems-----				-----Health-----				-----RP-----				-----Clearance (m)-----				-----Spread (m)-----			
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
8	2	156	Semi-mature	Fair	Fair	Fair	Good	C.1	20 to 40 yrs	10.9	1.86	Pre Construction		1	1	1	1		
Survey Comment :																			
Tree Comment :																			

Tree ID : T20				Tag :				Assessor : Jonathan Rodwell				Bats : No							
Species : Common Oak <i>Quercus robur</i>				TPO :				Inspected : 24 October 2013				Cons Area :							
								Next Insp : Not Required											
								1st Branch: 1.8m; south											
Stems				Health				RP				Clearance (m)				Spread (m)			
H (m)	No	Eq Ø (mm)	Maturity	Crown	Stem	Basal	Phy Con	Cat	ERC	A (m²)	R (m)	Site Status	Priority	N	E	S	W		
10	2	515	Semi-mature	Fair	Ivy	Fair	Good	B.1.2.3	>40 yrs	119.9	6.17	Pre Construction		1.5	1.5	0.5	0.5		
Survey Comment :																			
Tree Comment :																			

Appendix 2 – tree survey definition of terms

Tree ID/Tag

- Identification number and/or tree tag number.

Species

- Common and/or scientific name.

Height

- To the nearest 0.5m below 10m; to the nearest 1m above 10m.

Ø/No. of stems

- Stem diameter measured at 1.5m or equivalent with reference to Annex C of BS5837:2012.

First branch

- Height above ground level and direction of first significant branch.

Crown spread

- Measured at the cardinal points in metres.

Canopy height/clearance

- Crown clearance in metres above ground level at the cardinal points.

RPA

- Root protection area (m²) and length of radial protection (m).

Age class

- Newly planted
- young – Less than approximately 10 years old;
- semi-mature – less than 1/5 of typical life expectancy;
- mature – between 1/5 and 5/5 of typical life expectancy;
- over-mature - tree having reached its maximum life span and declining in health and size; possible veteran of interest biologically, aesthetically or culturally because of its age, size or condition.

Beechdown ref: B/0076/13

Hook Lane – BS 5837 tree survey – November 2013

Appendix 2 – tree survey definition of terms

Structural/physiological condition

- General condition of tree crown, stem and basal area assessed as;
 - Good - no evidence of significant decay, structural weakness or decline in health;
 - fair - presence of minor structural weakness or minimal decline in health;
 - poor - significant structural weakness or decline in health.

BS 5837 category (Cat)

- BS grading category described in detail at appendix 3.

ERC

- Estimated remaining contribution.

Trees unsuitable for retention

- Category 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 – shown in dark red on plans.

Trees to be considered for retention

- Category A – trees of high quality with an estimated remaining life expectancy of at least 40 years - shown in light green on plans.
 - 1) Mainly arboricultural qualities – trees that are good examples of their species, especially if rare or unusual; or those that are essential components of groups, formal or semi-formal arboricultural features.
 - 2) Mainly landscape qualities – trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features.
 - 3) Mainly cultural values, including conservation – trees, groups or woodlands of significant conservation, historical, commemorative or other value.
- Category B – trees of moderate quality with an estimated life expectancy of at least 20 years - shown in mid blue on plans.
 - 1) Mainly arboricultural qualities – trees that might be included in category A but are downgraded because of impaired condition (e.g. presence of significant but remediable defects) to the extent that they are unlikely to be suitable for retention beyond 40 years; or trees lacking the particular quality necessary for category A designation.
 - 2) Mainly landscape qualities – trees present in numbers, usually growing as groups or woodlands, that attract a higher collective rating than they might as individuals; or groups of trees situated so as to make little visual contribution to the wider locality.
 - 3) Mainly cultural values, including conservation – trees with material conservation or other cultural values.
- Category C – trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter under 150mm - shown in grey on plans.

Appendix 3 – BS 5837 grading categories

- 1) Mainly arboricultural qualities – unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.
- 2) Mainly landscape qualities – trees present in groups or woodlands but without this conferring on them significantly greater collective landscape value; and/or trees offering low or only temporary landscape benefits.
- 3) Mainly cultural values, including conservation – trees with no material conservation or other cultural values.

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Barnside, Hook Lane PO20 3TE Appendix 4 - tree survey plan

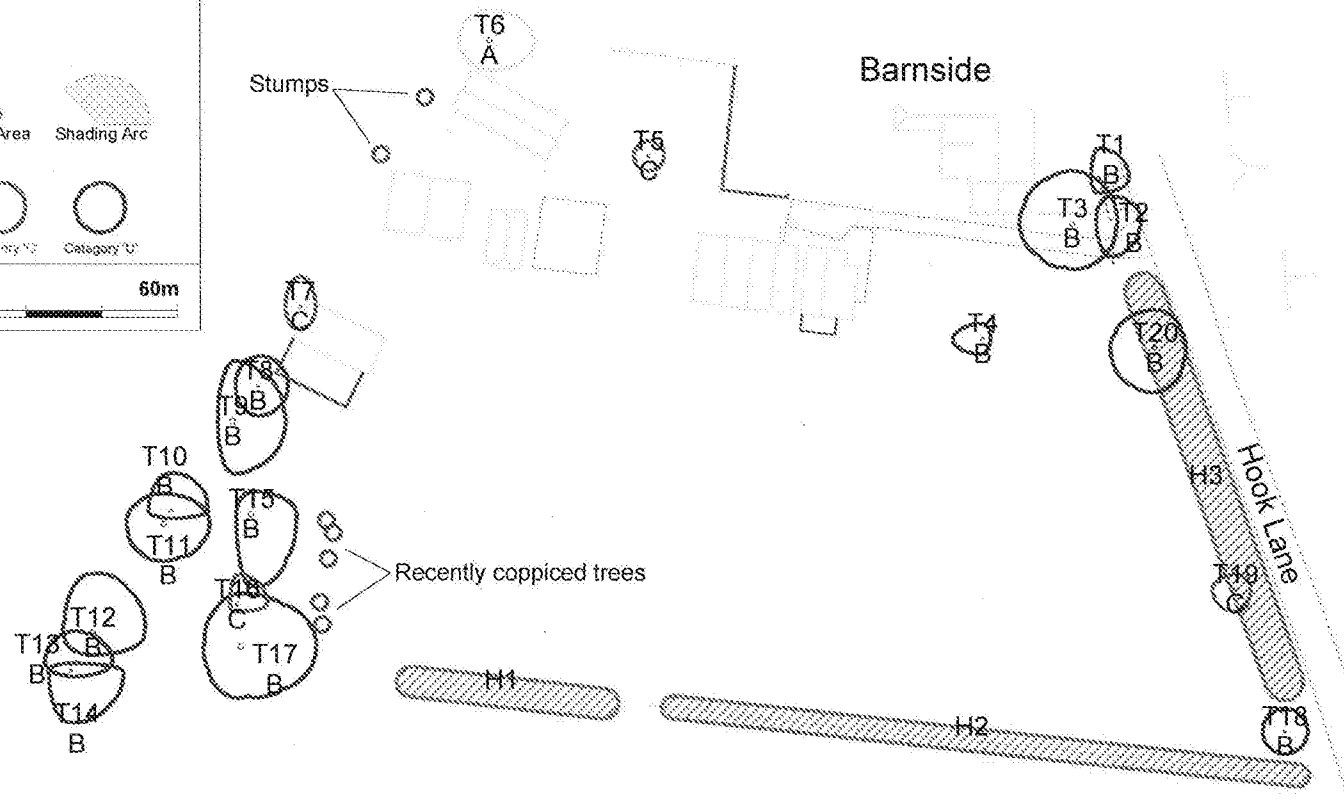
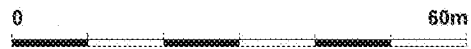
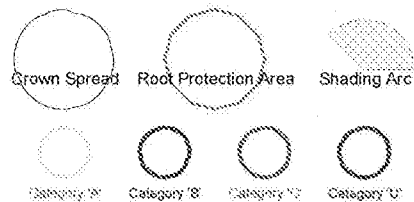
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DATE:
11/11/2013

Beechdown ref: B/0076/13

Hook Lane - BS 5837 survey - November 2013

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Appendix 5 - RPA & shade plan

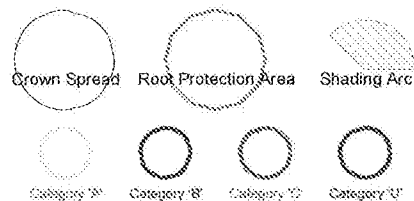
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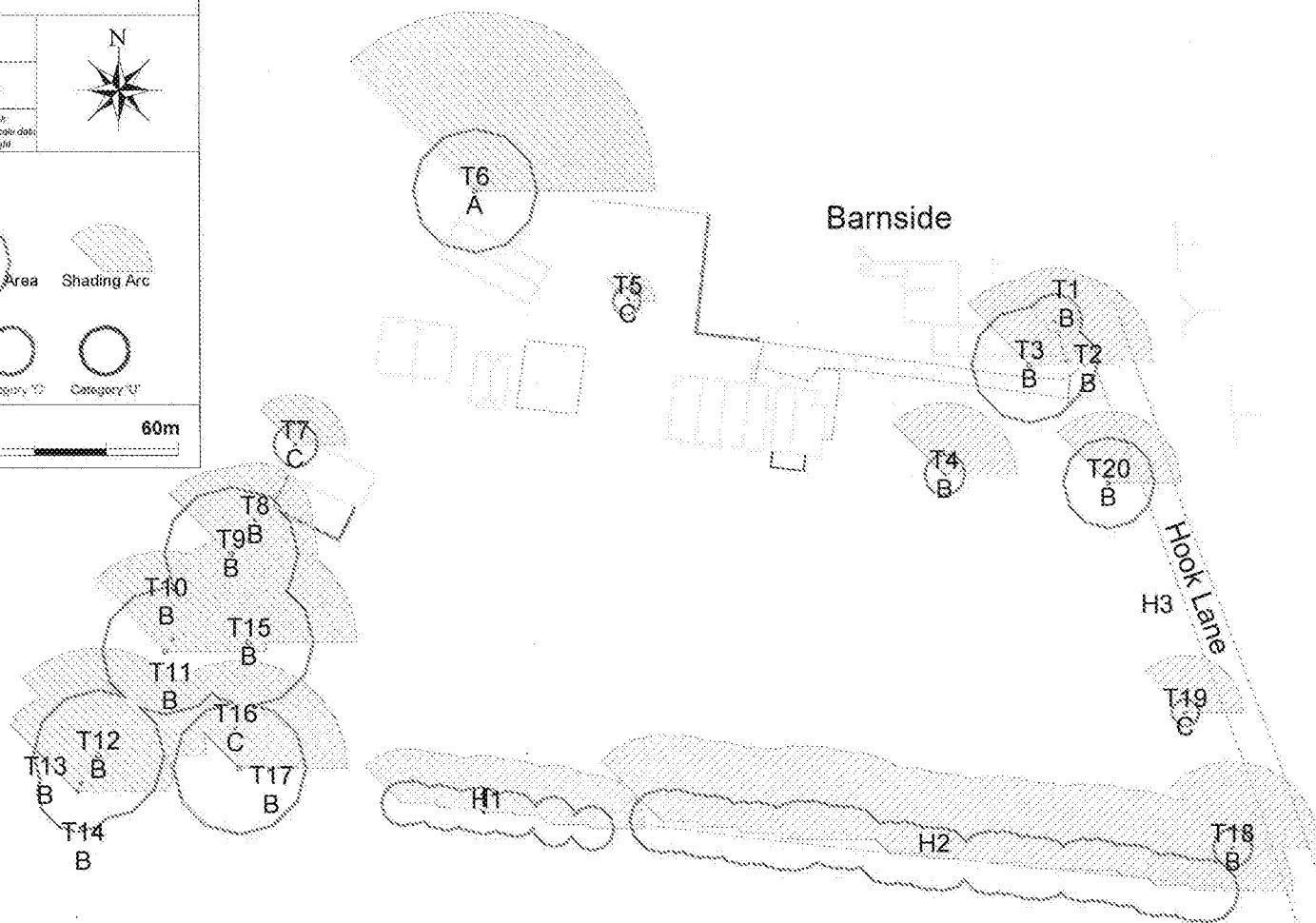
Beechdown ref. 8/0078/13
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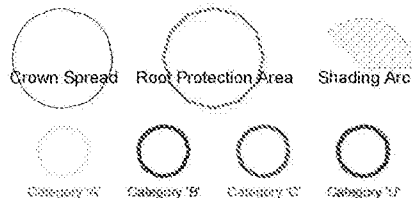
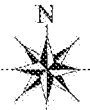
Barnside, Hook Lane PO20 3TE Appendix 6 - Developable area

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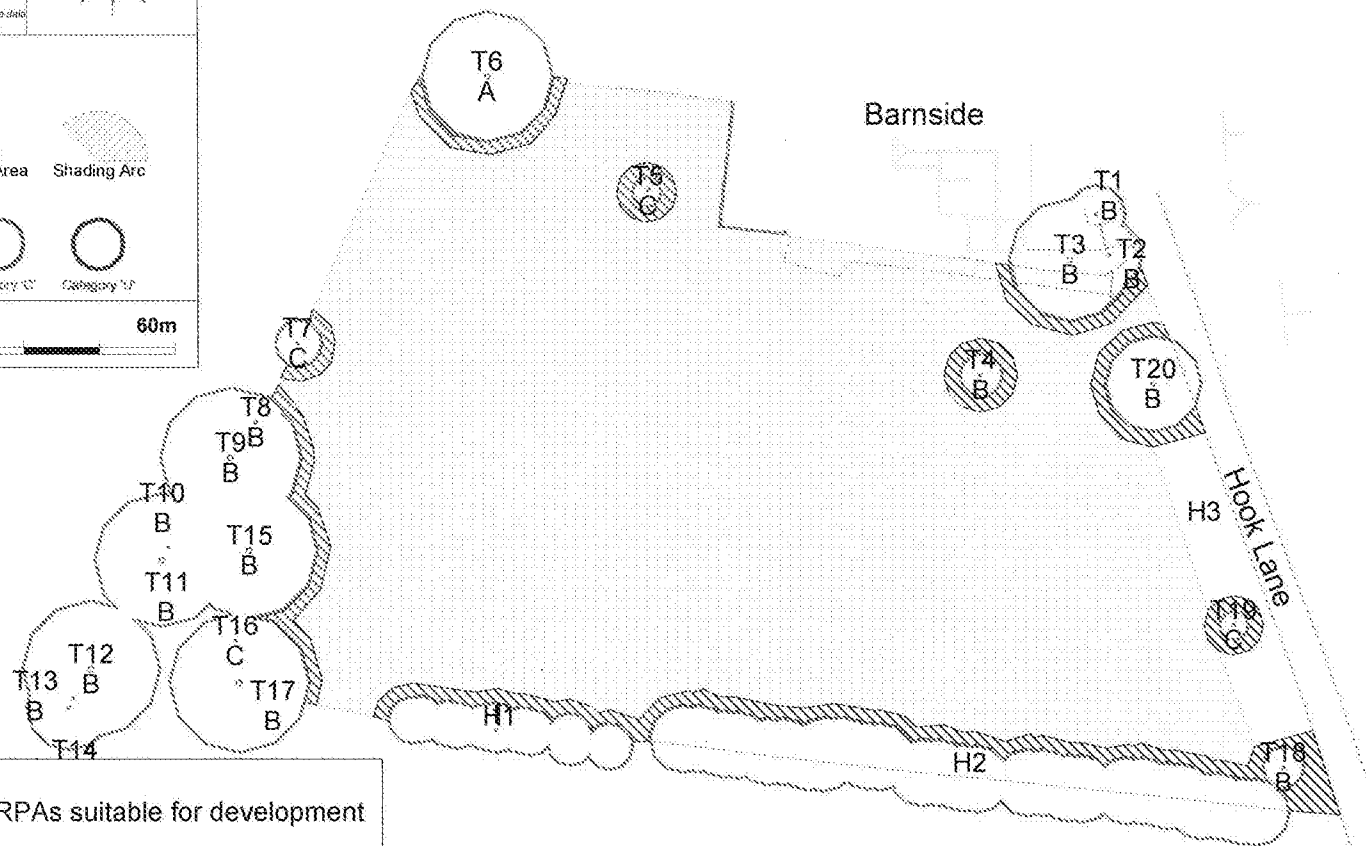
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Beechdown ref: B0079/13
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- Area beyond RPAs suitable for development
- 2m working margin



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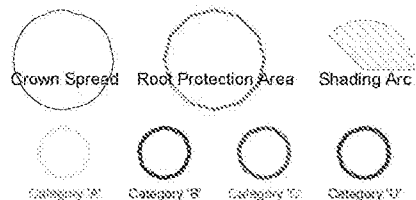
Barnside, Hook Lane PO20 3TE Appendix 7 - Developable area and potential access points

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DATE:
11/11/2013

Beechdown ref: 9/0076/13
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- Area beyond RPAs suitable for development
- 2m working margin
- Potential access points

