



ARBORICULTURAL ASSESSMENT

for

24/26 Hollow Lane, Hayling Island

-prepared on behalf of Mr & Mrs A Edwards –

- November 2012-

HAVANT BOROUGH
COUNCIL

28 NOV 2012

RECEIVED

Bernie Harverson M.Arb.

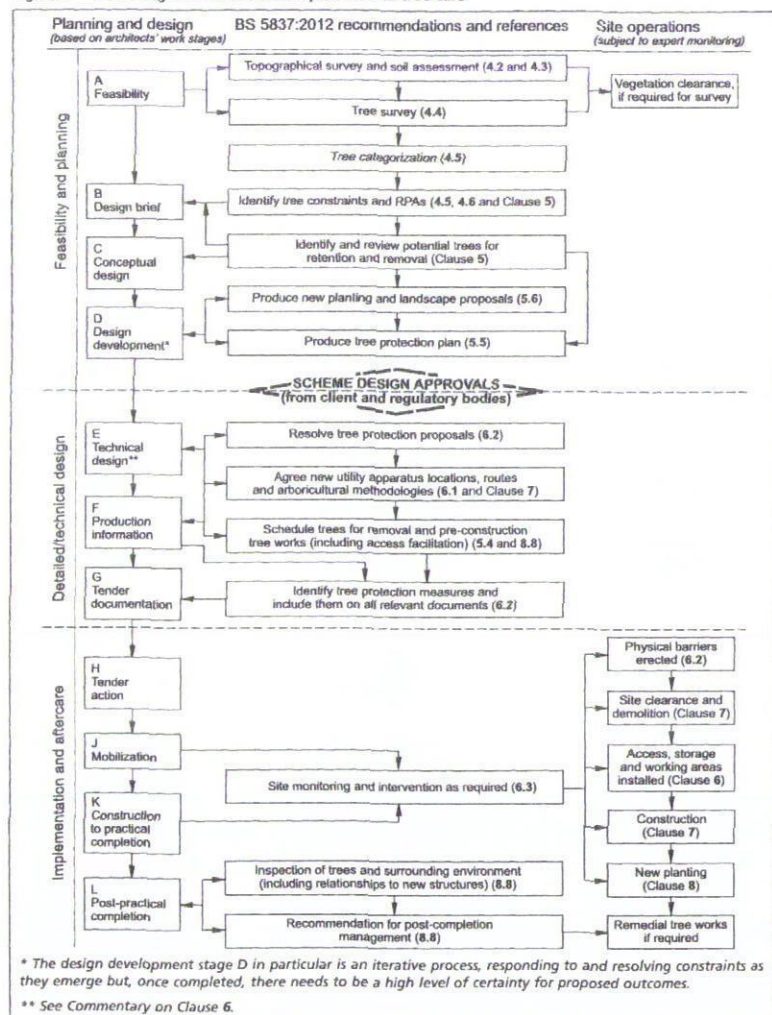
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Tree Survey Schedule

+ T/S Notes & BS5837 Flow Diagram

Figure 1 The design and construction process and tree care



TREE SURVEY NOTES

These Tree Survey Notes have been prepared in accordance with the recommendations of **British Standard 5837:2012** and they define the criteria for pre-development tree surveys.

- Each tree/group/hedge/shelterbelt/woodland has been allocated a unique number (**No.**), where specifically requested and appropriate fees are agreed small durable numbered metal tags can be applied to each tree/group surveyed.
- The tree species (**Species**) is provided in both English and Latin name formats.
- Height assessments (**Ht**) are estimated in metres. This will be adequate for the majority of cases, but where accurate heights become a critical issue it may be necessary to return to site, as a separately commissioned exercise, to collect accurate measurements with the aid of optical instruments.
- Trunk/stem diameters (**Diam**) are measured in millimetres at 1.5m above ground level – where the tree is inaccessible the diameter is estimated as indicated by suffix #
- Radial crown spread assessments (**Brch Sprd**) are estimated in metres from the centre of the trunk/group to each of the four primary points of the compass (**N-north; E-east; S-south and W-west**) in order to achieve a representation of the crown shape which will be shown on the accompanying tree survey plan. These provide a general guide as to the main bulk outline of a tree/groups crown but are not tape measured dimensions. These would only be undertaken as part of a separately commissioned exercise, where precise dimensions are critical to the project at hand.
- Both the canopy ground clearance (**GC**) and the height & compass direction of the lowest major branch (**LMB**) are estimated and shown in metres
- An assessment of a tree/groups 'life stage' (**LS**) is made in terms of its site specific maturity as part of the surrounding landscape, taking into account its overall shape and form in that setting, and is recorded thus :-
Y - Young tree/group; **SM** - Semi-Mature tree/group; **EM** - Early-Mature tree/group;
M - Mature tree/group; **OM** - Over-mature tree/group
- Data on the structural condition (**Condition Comments**) of the tree/group is provided to give its visual appearance and any significant health and safety issues.
- Details of any recommended tree works required at the time of survey is given under the heading – **Preliminary Management Recommendations**.
- An estimate of a tree/groups remaining contribution in years (**RC**) is made and is recorded thus :-
0-5; 5-10; 10-20; 20-30; 30-40 or >40 years.

- The category grading (**Cat**) for each tree/group is assessed according to the criteria provided within **BS5837:2012**. The assessment is made of the tree/group in its current condition and within the environment encountered bearing in mind its suitability for retention as part of any future proposed development; although the exact layout detail of any specific scheme will not be known at the time of surveying. The trees have been classified into one of four categories and colour coded as BS5837 recommends :-
U (dark red); **A** (light green); **B** (mid-blue) and **C** (grey). Please note that suffixed numerical sub-categories are also applied for guidance only and do not carry any cumulative or increased value for the tree/group. This colour coding scheme will be applied to all drawings provided.

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria			Colour on plan
Trees unsuitable for retention				
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.	- Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other category U trees (i.e. where, for whatever reason the loss of companion shelter cannot be mitigated by pruning) - Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline - Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve.			Dark Red
Trees to be considered for retention				
	Criteria – Subcategories			
	1	2	3	
Category A Trees of high quality with an estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual, or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as arboricultural and /or landscape features	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture)	Light Green
Category B Trees of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in the category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural value	Mid Blue
Category C Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	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/transient landscape benefits	Trees with no material conservation or other cultural value	Grey



BJH.0605

TREE SURVEY SCHEDULE

Client : Mr & Mrs A Edwards

Site Location : 24/26 Hollow Lane, Hayling Island

Surveyor : Bernie Harverson *M.Arb.*

Date Surveyed : 15th October 2012

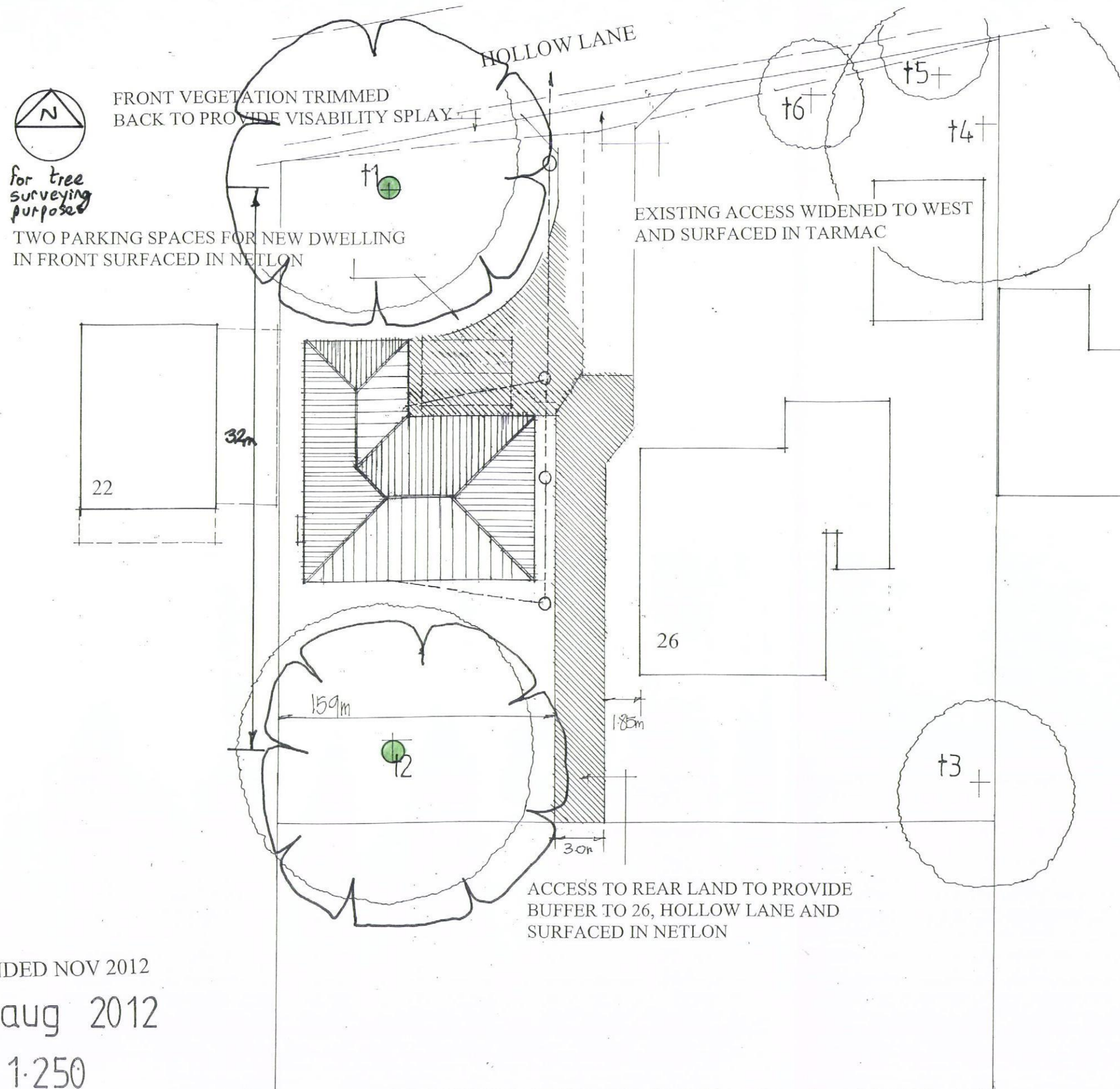
Tree No.	Species	Ht m	Diam mm	Brch Sprd m	GC m	LMB m	LS	Condition Comments	Preliminary Management Recommendations	Rem Con yrs	Cat
1	Common Beech <i>Fagus sylvatica</i>	14	400 600	N9 E9 S8 W9	2	4 E	M	Roots exposed and damaged to south side of tree – bifurcated at 1m above ground with tight forks and included bark – leans south – crown lifted to 5m above ground and old wounds are healing over – small diameter deadwood present – low branching habit to north side – good shape and form overall	Prune to clear back from the lamp column and maintain safety height clearances above road	>40	A1
2	Pedunculate Oak <i>Quercus robur</i>	15	800	N7 E10 S10 W7	4	3 E	M	Small and large diameter dead wood present – crown lifted to 4m on north side only – low branching habit on south side – metal ladder embedded in trunk on north side – some dieback noted in upper reaches	Cut ladder off flush with outer bark	>40	A1



Tree Survey Plan

BJH.01

PROPOSED NEW FOUR BEDROOM HOUSE.
26, HOLLOW LANE, HAYLING ISLAND, HANTS.
FOR MR A. EDWARDS.



	
project	24/26 Hollow Lane Hayling Island Havant
client	Mr & Mrs A Edwards
title	Tree Survey Plan
dwng no.	BJH.01
scale	1:250 @ A3
date	November 2012
job no	0605
drawn by	bjh
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AMENDED NOV 2012
date aug 2012
scale 1:250



Root Protection Area Schedule



ROOT PROTECTION AREA SCHEDULE

Client : Mr & Mrs A Edwards

Site Location : 24/26 Hollow Lane, Hayling Island

Tree No.	Tree Species	Cat	Diam mm	BS5837:2012 Table D1 Radial Protection Zone m	BS5837:2012 Table D1 Polygon Area m ²	Is An Offset Required To Cater For Existing Rooting Pattern Restrictions
1	Common Beech <i>Fagus sylvatica</i>	A1	400 600	8.7	235	NO – fairly free rooting to all directions
2	Pedunculate Oak <i>Quercus robur</i>	A1	800	9.6	290	NO – fairly free rooting to all directions



Root Protection Plan

BJH.02

PROPOSED NEW FOUR BEDROOM HOUSE.
26, HOLLOW LANE, HAYLING ISLAND, HANTS.
FOR MR A. EDWARDS.

	
project	24/26 Hollow Lane Hayling Island Havant
client	Mr & Mrs A Edwards
title	Root Protection Plan
dwng no.	BJH.02
scale	1:250 @ A3
date	November 2012
job no	0605
drawn by	bjh
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Key:

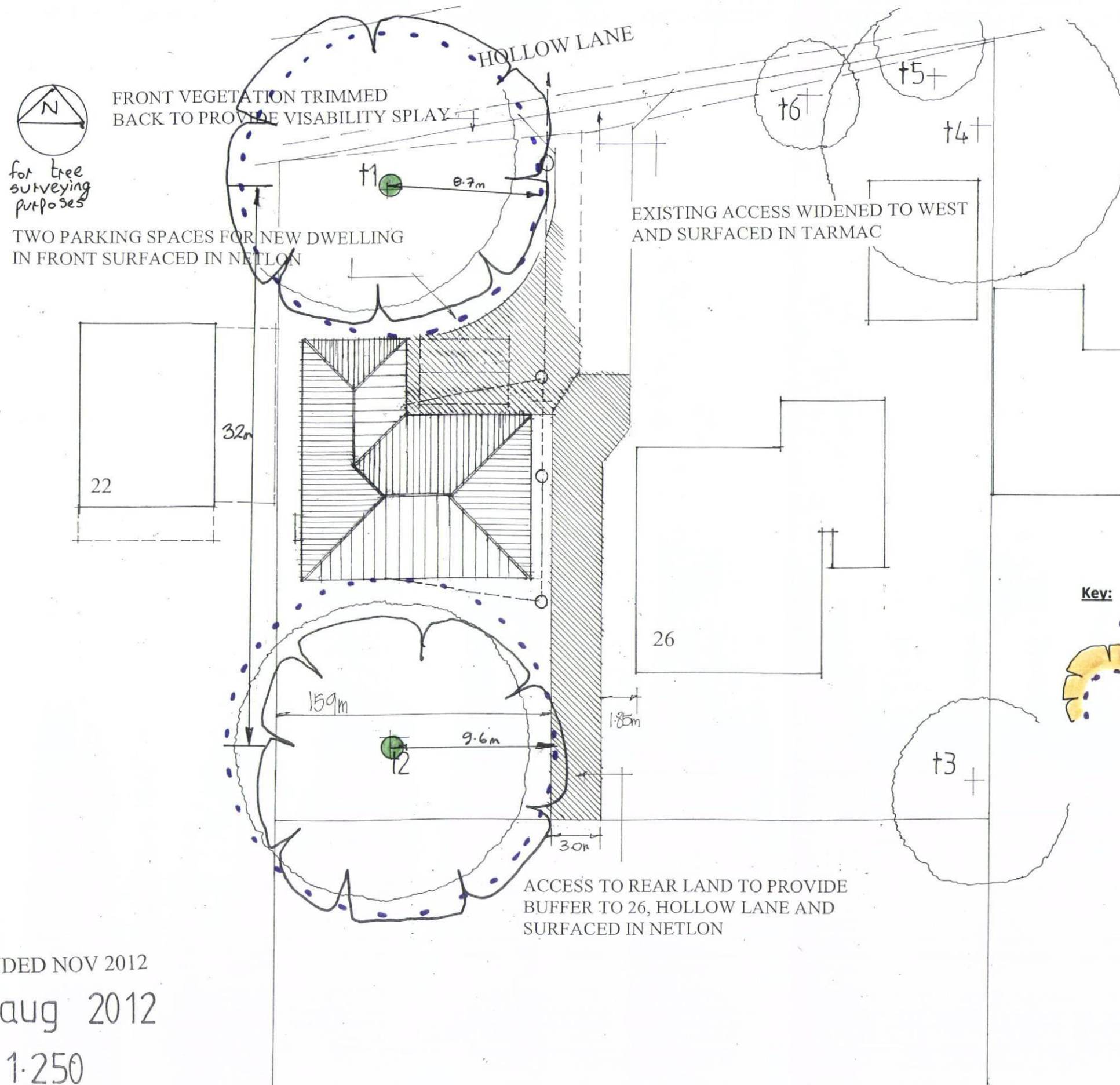
-  = Root Protection Area in accordance with BS5837 recommendations.
-  = The crown spread exceeds the recommended RPA – it will therefore be necessary to either increase the RPA to encompass the full crown or alternatively undertake facilitation pruning works

N.B. - these options are only applicable if the tree is to be retained.



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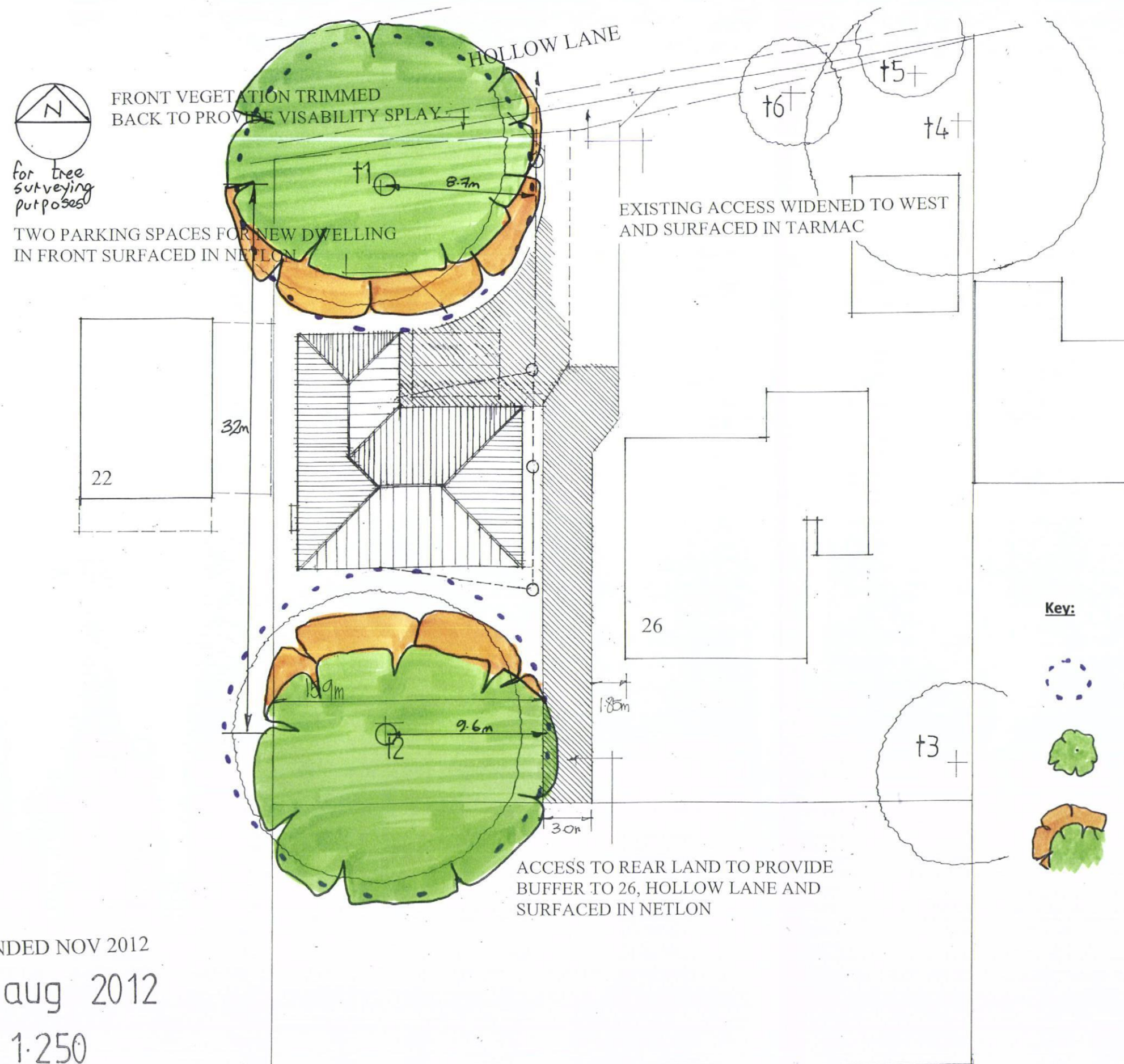
scale 1:250



Tree Retention & Removals Plan

BJH.03

PROPOSED NEW FOUR BEDROOM HOUSE.
26, HOLLOW LANE, HAYLING ISLAND, HANTS.
FOR MR A. EDWARDS.



	
project	24/26 Hollow Lane Hayling Island Havant
client	Mr & Mrs A Edwards
title	Tree Retentions & Removals Plan
dwng no.	BJH.03
scale	1:250 @ A3
date	November 2012
job no	0605
drawn by	bjh
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AMENDED NOV 2012
date aug 2012
scale 1:250



Tree Works Schedule

**TREE WORK SPECIFICATION****Client :** Mr & Mrs A Edwards**Site Location :** 24/26 Hollow Lane, Hayling Island

Attention is drawn to the fact that some mature trees could provide suitable habitat for bird nesting (ivy and cavities) and bat roosting (ivy, branch cracks and cavities) and this might at certain times of year influence and possibly restrict the form of management which can be applied. Given the legal constraints imposed by the Habitat Regulations and the Wildlife and Countryside Act this may necessitate expert ecological advice being sought before proceeding with recommendations.

N.B. – These works are required in order to facilitate development as shown on the Peter Walker – Planning Layout Drawings - they would probably require a separate TPO application

No	Species	Tree Works Recommended
1	Common Beech <i>Fagus sylvatica</i>	• Remove the lowest branch of 150mm diameter from the south side of the tree • Shorten remaining laterals on this side by 2.5m making final cuts adjacent to living growth points • Shorten back to the east side and west side by 1m to 1.5m to balance this effect and give a rounded and more compact form to the tree - thus encouraging a more upward growth habit rather than outward growth towards the new house
2	Pedunculate Oak <i>Quercus robur</i>	• Remove the lowest branch from the north side of the tree • Reduce the next branch up on the north side by some 2.5m making final cuts adjacent to living growth points • Tip back the next tier of branches by 1m to 1.5m to give a rounded and more compact form to the tree - thus encouraging a more upward growth habit rather than outward growth towards the new house • Remove all dead wood and dieback



Qualifications & Experience



QUALIFICATIONS AND EXPERIENCE

- My name is Bernie Harverson and I am a self employed independent arboricultural consultant in private practice. I take instructions primarily in the South of England but also on occasions work nationwide and abroad and have offices at : –
3 Foxcombe Cottages, South Harting, West Sussex GU31 5PL and also at Cedar Court, 5 College Street, Petersfield
- I hold the following arboricultural qualification - **Master of Arboriculture** (Royal Forestry Society – 1976)
- I have over **forty** years of practical and managerial experience in the arboricultural industry including periods in both the public and private sectors.
- My Local Government sector experience comprises one year as a tree surgeon with Brighton Parks and nine years spent in Arboricultural Officer posts with both Westminster City Council and Portsmouth City Council
- My past practical experience in the private sector includes two years at Tilhill Forest Nursery and over ten years for various companies as a Climbing Arborist/Tree Surgeon.
- Managerial work in the private sector includes two years as manager of Beechings tree surgery company and twelve years with CBA Trees as an Arboricultural Consultant.
- As an independent self employed Arboricultural Consultant I now provide a comprehensive range of services including :-
tree surveys, appraisals, assessments and inspections with particular reference to planning and development and tree safety audits with a service offered as a climber to undertake full climbing inspections to better understand the condition of a given tree before prescribing a management strategy.
- I also undertake litigation work appearing as an Expert Witness in Court Actions and at Planning Appeals, Hearings and Public Local Inquiries.

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