



ARBORICULTURAL METHOD STATEMENT

2 Ferndale, Waterlooville

prepared on behalf of **Mr & Mrs Metherell**

Section	Subject Heading
1	INTRODUCTION & CLIENTS BRIEF
2	DOCUMENT DISCLOSURE STATEMENT
3	TREE SURVEY & ROOT PROTECTION SCHEDULE
4	IMPACT ASSESSMENT & TREE PROTECTION MEASURES RECOMMENDED
5	RECOMMENDED TREE WORK
6	METHOD STATEMENT
7	MONITORING & SUPERVISION
8	CONCLUSIONS

<u>Appendices</u>	<u>Subject</u>
BH1	Figure 1- Flow Diagram from BS5837 + Tree Survey Notes
BH2	Tree Survey Plan BJH 01 & Root Constraints Plan – BJH 02
BH3	Tree Retention & Removals Plan BJH 03 & Tree Protection Plan – BJH 04
BH4	Qualifications & Experience

1.0 INTRODUCTION & CLIENTS BRIEF

- 1.1 I am instructed on this project by **Mr & Mrs Metherell** who are the owners of the property/land at **2 Ferndale, Waterloooville**.
- 1.2 The owners seek permission to add a single storey extension to the rear of the existing property.
- 1.3 There are a number of off site trees on the steep banking abutting the property which will need to be catered for and protected during this process.
- 1.4 I have been commissioned to prepare a report to satisfy the arboricultural aspects of this project to meet planning requirements.
- 1.5 My work is to be compiled in accordance with the recommendations contained within BS5837:2012.

2.0 DOCUMENT DISCLOSURE STATEMENT

I have been provided with a copy of the Planning Layout drawings as prepared by **Chris Flint Associates Ltd.** : -

- **Existing Layout Drawing – CFA – Existing - 01 - 1:200 @ A3 – 01/11/25**
- **Proposed Layout Drawing – CFA – FULL – Planning 01 – 1:200 @ A3 – 01/11/25**

These drawings have been provided to me for the purposes of my work and I rely totally on their accuracy in terms of tree locations applying crown spreads and setting out protective fencing and tree protection measures.

3.0 TREE SURVEY & ROOT PROTECTION SCHEDULES & IMPACT ASSESSMENT

3.1 I visited the site on **3rd February 2026** and carried out a full site tree survey exercise in accordance with BS5837:2012 recommendations (see also the explanatory tree survey notes [at appendix BH1](#)).

Tree No.	Species	Ht m	Diam mm	Brch Sprd m	GC m	LS	Comments	Preliminary Management Recommendations	Rem Con yrs	Cat
1	Pedunculate Oak <i>Quercus robur</i>	12	500	N 6 E 3 S 4 W5	4	M	Off site tree-situated on a steep bank-Bifurcated at 2.5m agl- previously heavily topped out and stunted-storm damaged with several large jagged wounds.	Not under the clients control	>40	B1
2	Pedunculate Oak <i>Quercus robur</i>	15	350	N 4 E 6 S 2 W2	3	EM	Off site tree- situated on a steep bank- previously heavily topped out and stunted-contorted trunk-crown shape dictated by group pressure-low crown density.	Not under the clients control	>40	C1
3	Pedunculate Oak <i>Quercus robur</i>	15	420	N 4 E 4 S 2 W5	4	EM	Off site tree- situated on a steep bank- previously heavily topped out and stunted- crown shape dictated by group pressure.	Not under the clients control	>40	C1
4	Pedunculate Oak <i>Quercus robur</i>	10	210	N 4 E 1 S 1 W1	2	Y	Off site tree- situated on a steep bank- previously heavily topped out and stunted- crown shape dictated by group pressure-smothered and dominated by Ivy.	Not under the clients control	>40	C1
5	Sycamore <i>Acer pseudoplatanus</i>	16	240	N 4 E 4 S 4 W4	3	SM	Off site tree- situated on a steep bank-Ivy covers base and trunk-bifurcated in mid crown area.	Not under the clients control	>40	B1
6	Pedunculate Oak <i>Quercus robur</i>	15	400 350	N 5 E 6 S 6 W3	2	M	Off site tree- situated on a steep bank- previously heavily topped out and stunted- crown shape dictated by group pressure- Ivy covers base and trunk-bifurcated at ground level-contorted trunk-the larger diameter of the two trunks has been heavily topped out at 5m.	Not under the clients control	>40	B1
7	Pedunculate Oak <i>Quercus robur</i>	16	500 200	N 0 E 0 S 9 W8	3	M	Off site tree- situated on a steep bank- previously heavily topped out and stunted- crown shape dictated by group pressure-contorted trunk-suppressed and distorted crown-weighted south.	Not under the clients control	>40	C1
8	Common Ash <i>Fraxinus excelsior</i>	12	270 200 130	N 7 E 3 S 0 W2	2	SM	Off site tree- situated on a steep bank- crown shape dictated by group pressure-Ivy smothers and dominates-deadwood throughout plus dieback probably from Ash Dieback Disease-poor quality tree with a limited lifespan.	Not under the clients control	<10	U

3.2 A Tree Root Protection Schedule has been prepared in accordance with BS5837:2012 recommendations (see Plans BJH 01 & 02 at [appendix BH2](#))

Tree No.	Tree Species	Cat	Diam mm	BS5837:2012 Table D1 Radial Protect. Zone m	BS5837:2012 Table D1 Root Protect. Area m ²
1	Pedunculate Oak <i>Quercus robur</i>	B1	500	6.0	113
2	Pedunculate Oak <i>Quercus robur</i>	C1	350	4.2	55
3	Pedunculate Oak <i>Quercus robur</i>	C1	420	5.0	80
4	Pedunculate Oak <i>Quercus robur</i>	C1	210	2.5	20
5	Sycamore <i>Acer pseudoplatanus</i>	B1	240	2.9	26
6	Pedunculate Oak <i>Quercus robur</i>	B1	400 350	6.2	148
7	Pedunculate Oak <i>Quercus robur</i>	C1	500 200	6.5	131
8	Common Ash <i>Fraxinus excelsior</i>	U	270 200 130	4.3	59

4.0 IMPACT ASSESSMENT & TREE PROTECTION MEASURES RECOMMENDED

4.1 The finalised planning layout drawing has been provided to me and an assessment made as to the viability of retaining trees as part of this layout in order that they meet the RPA requirements of BS5837 - the data is presented here in tabular format:-

Key: **NO-RSAM** = Remove for sound arboricultural management reasons **NO-RTFD** = Remove to facilitate development

YES = Yes can be retained and fully protected

YES (1) = Yes can be retained subject to mitigation measures being applied

Tree No	Species	Cat	Stem Diam mm	BS5837:2012 Radial Protection Zone m	BS5837:2012 Table D1 Root Protect. Area m ²	Distance from Site Features (see key above)	Can Tree Be Retained
1	Pedunculate Oak <i>Quercus robur</i>	B1	500	6.0	113	11m to new extension	YES
2	Pedunculate Oak <i>Quercus robur</i>	C1	350	4.2	55	7.3m to new extension	YES
3	Pedunculate Oak <i>Quercus robur</i>	C1	420	5.0	80	6.5m to new extension	YES
4	Pedunculate Oak <i>Quercus robur</i>	C1	210	2.5	20	6.2m to new extension	YES
5	Sycamore <i>Acer pseudoplatanus</i>	B1	240	2.9	26	7m to new extension	YES
6	Pedunculate Oak <i>Quercus robur</i>	B1	400 350	6.2	148	9.2m to new extension	YES
7	Pedunculate Oak <i>Quercus robur</i>	C1	500 200	6.5	131	10m to new extension	YES
8	Common Ash <i>Fraxinus excelsior</i>	U	270 200 130	4.3	59	7.5m to new extension	YES

SUMMARY

4.2 All of the surveyed off site trees can be safely retained and protected in accordance with BS5837 recommendations.

5.0 RECOMMENDED TREE WORKS

No	Species	Tree Works Recommended
1	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.
2	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.
3	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.
4	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.
5	Sycamore <i>Acer pseudoplatanus</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.
6	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.
7	Pedunculate Oak <i>Quercus robur</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.
8	Common Ash <i>Fraxinus excelsior</i>	<ul style="list-style-type: none"> Not under the clients control as it is off site Advisory : No health and safety works are required at this time.

6.0 METHOD STATEMENT

Generic Measures

- 6.1 The existing substantial (piled) wooden boundary fencing [with concrete posts and gutter boarding] will suffice as separation from the development site and fully protect the off site trees.
- 6.2 The following prohibitions shall apply within the area beyond the boundary fencing [**Construction Exclusion Zone**]:-
- **No** mechanical digging or scraping once the initial ground cover vegetation has been cleared and the site fenced off.
 - **No** storage of plant, equipment or materials
 - **No** vehicular or plant access
 - **No** fire lighting
 - **No** handling, discharge or spillage of any chemical substance, including cement washings
 - **No** action likely to cause localised water-logging
 - **No** change in ground levels
- 6.3 All site works storage areas and compounds/welfare units/toilet blocks and any mixing areas are to be located outside of and well clear of retained trees and positioned over impervious surfaces or over special catchment areas such that any leakage will be captured and cannot leak into the soil causing contamination.
- 6.4 The details of the proposed utility service links have not been made available to me at this time but it will be possible to link in to existing services without impinging on the RPZ's of retained trees.

Site Specific Measures

- 6.5 None required on this project.

7.0 SITE MONITORING & SUPERVISION

Not required on this project.

8.0 CONCLUSIONS

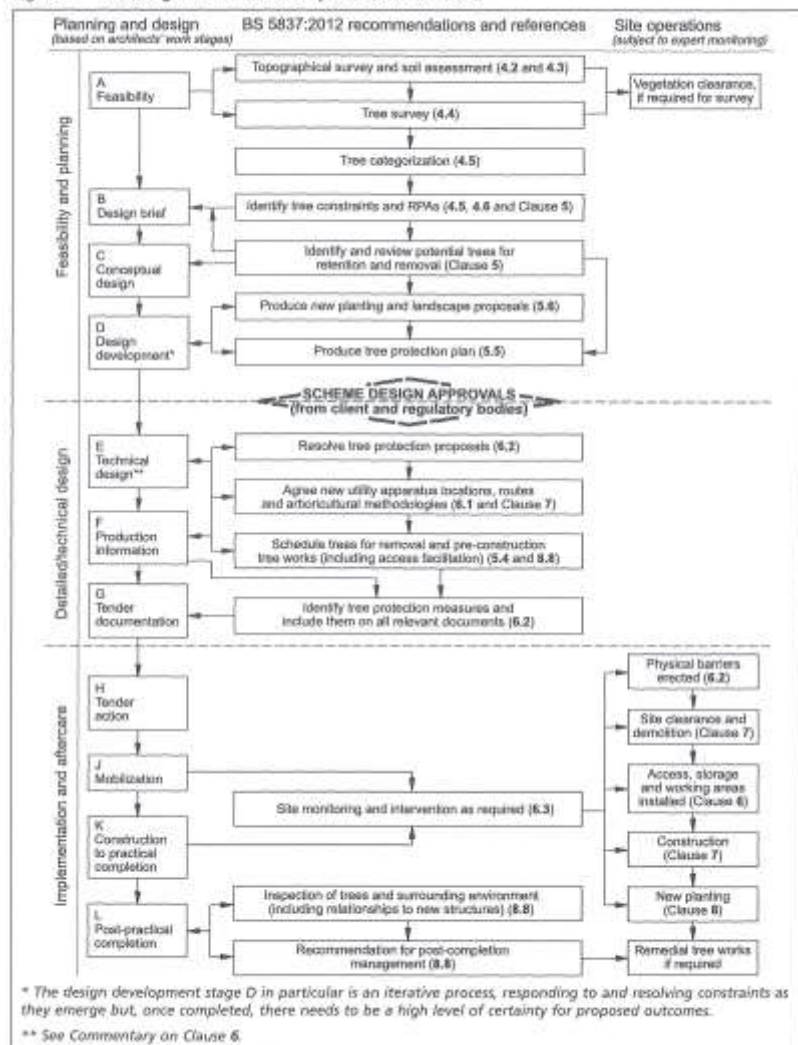
- **ALL** of the surveyed off site trees can be fully protected in accordance with BS5837:2012 recommendations and will not be adversely affected by the redevelopment works proposed.



BH 1

Figure 1 - Flow Diagram
& Tree Survey Notes

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 :- **■** (dark red); **■** (light green); **■** (mid-blue) and **■** (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.	<ul style="list-style-type: none"> 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 <p>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve.</p>			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



BH 2

Tree Survey & Root Protection Plans

BJH 01/02



BH 3

Tree Protection Plan BJH 03/04



BH 4

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 : – **10 Southleigh Grove, Hayling Island, Hampshire PO11 0SH**
- I hold the following arboricultural qualification – **National Diploma in Arboriculture (Royal Forestry Society – 1976)**
- I have **fifty-five (55)** 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 Surgeons and twelve years with CBA Trees as Managing Director & Senior 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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