

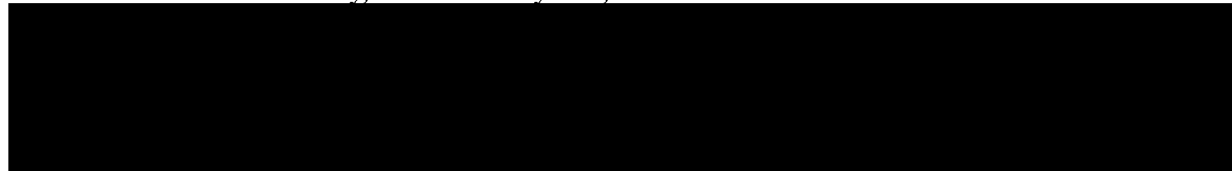


## **ARBORICULTURAL IMPACT/METHOD STATEMENT**

Land north of **Orchard End** off **Highground Lane**, **Barnham**

*-prepared on behalf of **Mr & Mrs M Bates** –*

***The Granary, White Chimney Row, Westbourne PO10 8RS***



| Section | Subject Heading                                          |
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| 3       | TREE SURVEY & ROOT PROTECTION SCHEDULE                   |
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| 5       | RECOMMENDED TREE WORK                                    |
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| <u>Appendices</u> | <u>Subject</u>                                                                                                        |
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| BH1               | Figure 1- Flow Diagram from BS5837 + Tree Survey Notes                                                                |
| BH2               | Tree Survey Plan <b>BJH 01</b> & Root Constraints Plan – <b>BJH 02</b>                                                |
| BH3               | Tree Retention & Removals Plan <b>BJH 03</b> & Tree Protection Plan – <b>BJH 04</b> + <b>BS5837</b> – <b>Figure 2</b> |
| BH4               | Qualifications & Experience                                                                                           |

## **1.0 INTRODUCTION & CLIENTS BRIEF**

- 1.1 I am instructed on this project by **Mr & Mrs M Bates**.
- 1.2 My clients are seeking to erect a new dwelling on this site utilising the existing access link via the hard surfaced drive from Highground Lane.
- 1.3 There are both on and off site trees 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 the project Architects – **RPS Design Group** :-

- **Proposed Block Plan – L102-1:500 @ A3-05.03.21**
- this drawing has been provided to me for the purposes of my work and I rely totally on its accuracy in terms of tree location; 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 **13<sup>th</sup> July 2021** and carried out a tree survey exercise in accordance with BS5837:2012 recommendations (see also the explanatory tree survey notes at appendix IIII).

| Tree No.   | Species                                                                                                                     | Ht<br>m      | Diam<br>mm     | Brch<br>Sprd<br>m         | GC<br>m | LS           | Comments                                                                                                                                                                                                                                                                                                                                                           | Preliminary<br>Management<br>Recommendations                                                                                                                                                                                                                                                                                       | Rem<br>Con<br>yrs | Cat |
|------------|-----------------------------------------------------------------------------------------------------------------------------|--------------|----------------|---------------------------|---------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----|
| Hedge<br>1 | Golden Leylandii<br><i>Cupressocyparis spp.</i>                                                                             | 4            | Av<br>150      | N 1<br>E –<br>S 1<br>W-   | 0       | SM           | Elderberry and Bramble growing through the north face of the hedge depriving it of light and causing dieback-a tightly pruned hedgerow with flat sides and top.                                                                                                                                                                                                    | Advise pruning out the Brambles and Elderberry to expose the hedge to the light                                                                                                                                                                                                                                                    | 20-<br>30         | C2  |
| Hedge<br>2 | Hawthorn<br>( <i>Crataegus</i> )<br>Apples x 6 ( <i>Malus</i> )<br>Field Maple ( <i>Acer</i> )<br>Wild Rose ( <i>Rosa</i> ) | 2.5          | Av<br>45       | N –<br>E 1.5<br>S –<br>W1 | 0       | Y            | There is a row of young and staked Apple trees along the eastern edge which have suffered from Rabbit browsing damage and are becoming engulfed in foliage and weeds-the main hedge is mostly made up of Hawthorn behind which to the west side appears to be a dense bed of Nettles and Brambles are starting to become a problem growing through the hedge line. | Advise pruning back Brambles and clearing Nettles to allow light to the base of the hedge + open the area up to discourage Rabbits as well as applying fresh Rabbit Guards to exposed trunks and new stakes and ties for the Apple trees + consider a first cut of the hedging material to make it bush out and develop more fully | >40               | B2  |
| Hedge<br>3 | Hawthorn<br>( <i>Crataegus</i> )<br>Guelder Rose<br>( <i>Viburnum</i> )<br>Wild Rose ( <i>Rosa</i> )                        | 2<br>to<br>3 | 25<br>to<br>50 | N 1<br>E –<br>S 1<br>W-   | 0       | Y<br>to<br>M | A young hedge line comprised of a double row of Hawthorns with Rabbit guards on the younger plants-there are two distinct ages along the run with the younger plants to the western half and more established and older plants to the eastern half.                                                                                                                | Advise pruning back Brambles and clearing Nettles to allow light to the base of the hedge + open the area up to discourage Rabbits as well as applying fresh Rabbit Guards to exposed trunks and new stakes and ties for the Apple trees + consider a first cut of the hedging material to make it bush out and develop more fully | >40               | A2  |
| Hedge<br>4 | Cherry Laurel<br><i>Prunus laurocerasus</i>                                                                                 | 0.5          | -              | N –<br>E –<br>S –<br>W-   | 0       | Y            | A newly planted hedge line of Laurels- some yellowing (Chlorosis) of leaves in places and grass is competing for nutrients/water-they are fenced off to protect them from Rabbits.                                                                                                                                                                                 | Advise cutting down grass around bases of plants and then aerate the soil with forks before applying a 50mm to 75mm deep mulch of organic material to keep moisture in as well as suppressing the weeds-water heavily once a week                                                                                                  | >40               | B2  |
| 1          | Gum Tree<br><i>Eucalyptus spp.</i>                                                                                          | 8            | 200            | N 2<br>E 2<br>S 2<br>W2   | 1.5     | Y            | Off site tree-bifurcated in upper crown-cables though crown will be an issue in the future and probably prompt heavy lopping back-does not overhang the concrete drive or inhibit vehicular access at the present time.                                                                                                                                            | Not under the clients control                                                                                                                                                                                                                                                                                                      | >40               | B1  |

|         |                                                 |        |                                |                         |     |    |                                                                                                                                                                                                                                                        |                               |       |    |
|---------|-------------------------------------------------|--------|--------------------------------|-------------------------|-----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------|----|
| Grp 1   | Himalayan Birch<br><i>Betula jacquemontii</i>   | 6 to 7 | 180 #                          | N 3<br>E 3<br>S 3<br>W3 | 1.5 | SM | Off site trees-crown shapes dictated by group pressures-cables though crown will be an issue in the future and probably prompt heavy lopping back-do not overhang the concrete drive or inhibit vehicular access-currently good shape and form overall | Not under the clients control | >40   | A2 |
| Hedge 5 | Golden Leylandii<br><i>Cupressocyparis spp.</i> | 3      | Av 150 #                       | N –<br>E 1<br>S –<br>W1 | 0   | SM | Off site trees-Brambles and Elder growing through the east face-has been hard pruned back and I would assess that frost damage has then ensued causing patches of needle dieback - does not overhang the access drive or inhibit vehicular access.     | Not under the clients control | 20-30 | C2 |
| 2       | Common Ash<br><i>Fraxinus excelsior</i>         | 7      | 120 #                          | N 2<br>E 3<br>S 3<br>W1 | 2   | Y  | Off site tree-has been pruned back close to the boundary line on the west side-Pigeon browsing damage noted in the crown but no current evidence of any Ash Dieback- does not overhang the access drive or inhibit vehicular access.                   | Not under the clients control | >40   | C1 |
| Grp 2   | False Acacia<br><i>Robinia pseudoacacia</i>     | 12     | 220 #<br>200/<br>170/<br>170 # | N 5<br>E 5<br>S 5<br>W5 | 3   | SM | Off site trees-evidence of previous pruning to restrict the low overhang of the driveway-currently there is a 3m to 4m ground clearance to foliage but main lateral branches are higher up and would not inhibit vehicular access.                     | Not under the clients control | >40   | A2 |

3.2 A Tree Root Protection Schedule has been prepared in accordance with BS5837:2012 recommendations (see Plans BJH 01 & 02 at appendix B12)

| Tree No. | Tree Species                                                                                                             | Cat | Diam mm  | BS5837:2012 Table D1 Radial Protect. Zone m | BS5837:2012 Table D1 Root Protect. Area m <sup>2</sup> | Is An Offset Required To Cater For Existing Rooting Pattern Restrictions |
|----------|--------------------------------------------------------------------------------------------------------------------------|-----|----------|---------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------|
| Hedge 1  | Golden Leylandii<br><i>Cupressocyparis spp.</i>                                                                          | C2  | Av 150   | 1.8                                         | 10                                                     | NO – free rooting to all directions                                      |
| Hedge 2  | Hawthorn ( <i>Crataegus</i> )<br>Apples x 6 ( <i>Malus</i> )<br>Field Maple ( <i>Acer</i> )<br>Wild Rose ( <i>Rosa</i> ) | B2  | Av 45    | 0.5                                         | 1                                                      | NO – free rooting to all directions                                      |
| Hedge 3  | Hawthorn ( <i>Crataegus</i> )<br>Guelder Rose ( <i>Viburnum</i> )<br>Wild Rose ( <i>Rosa</i> )                           | A2  | 25 to 50 | 0.5                                         | 1                                                      | NO – free rooting to all directions                                      |
| Hedge 4  | Cherry Laurel<br><i>Prunus laurocerasus</i>                                                                              | B2  | -        | n/a                                         | n/a                                                    | NO – free rooting to all directions                                      |

|         |                                                 |    |                              |                |              |                                                                                                                                                                                         |
|---------|-------------------------------------------------|----|------------------------------|----------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Gum Tree<br><i>Eucalyptus spp.</i>              | B1 | 200                          | 2.4            | 18           | NO – will have rooted under the concrete raft that forms the driveway access - but they will be protected by this hard surfacing so there is no risk to the roots from vehicular access |
| Grp 1   | Himalayan Birch<br><i>Betula jacquemontii</i>   | A2 | 180 #                        | 2.2            | 15           | NO – will have rooted under the concrete raft that forms the driveway access - but they will be protected by this hard surfacing so there is no risk to the roots from vehicular access |
| Hedge 5 | Golden Leylandii<br><i>Cupressocyparis spp.</i> | C2 | Av<br>150 #                  | 1.8            | 10           | NO – will have rooted under the concrete raft that forms the driveway access - but they will be protected by this hard surfacing so there is no risk to the roots from vehicular access |
| 2       | Common Ash<br><i>Fraxinus excelsior</i>         | C1 | 120 #                        | 1.4            | 7            | NO – will have rooted under the concrete raft that forms the driveway access - but they will be protected by this hard surfacing so there is no risk to the roots from vehicular access |
| Grp 2   | False Acacia<br><i>Robinia pseudoacacia</i>     | A2 | 220 #<br>200/<br>170/<br>170 | 2.6<br><br>3.8 | 22<br><br>44 | NO – will have rooted under the concrete raft that forms the driveway access - but they will be protected by this hard surfacing so there is no risk to the roots from vehicular access |

#### 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 UF = under footprint of proposed 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 Area m | BS5837:2012 Table D1 Root Protect. Area m <sup>2</sup> | Distance from Site Features<br>(see key above) | Can Tree Be Retained |
|---------|-------------------------------------------------|-----|--------------|--------------------------------------|--------------------------------------------------------|------------------------------------------------|----------------------|
| Hedge 1 | Golden Leylandii<br><i>Cupressocyparis spp.</i> | C2  | Av<br>150    | 1.8                                  | 10                                                     | 15m to access Path<br>22m to new Dwelling      | YES                  |

| Tree No    | Species                                                                                                                  | Cat | Stem Diam<br>mm                 | BS5837:2012<br>Radial<br>Protection Area<br>m | BS5837:2012<br>Table D1<br>Root Protect.<br>Area<br>m <sup>2</sup> | Distance from Site Features<br><br>(see key above) | Can Tree Be<br>Retained |
|------------|--------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------|-----------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------|-------------------------|
| Hedge<br>2 | Hawthorn ( <i>Crataegus</i> )<br>Apples x 6 ( <i>Malus</i> )<br>Field Maple ( <i>Acer</i> )<br>Wild Rose ( <i>Rosa</i> ) | B2  | Av<br>45                        | 0.5                                           | 1                                                                  | 9m to access Path<br>11m to new Dwelling           | YES                     |
| Hedge<br>3 | Hawthorn ( <i>Crataegus</i> )<br>Guelder Rose<br>( <i>Viburnum</i> )<br>Wild Rose ( <i>Rosa</i> )                        | A2  | 25<br>to<br>50                  | 0.5                                           | 1                                                                  | 22m to new Patio Area<br>25m to new Dwelling       | YES                     |
| Hedge<br>4 | Cherry Laurel<br><i>Prunus laurocerasus</i>                                                                              | B2  | -                               | n/a                                           | n/a                                                                | 4m to new Evening Terrace<br>12m to new Dwelling   | YES                     |
| 1          | Gum Tree<br><i>Eucalyptus spp.</i>                                                                                       | B1  | 200                             | 2.4                                           | 18                                                                 | 1m to existing concrete driveway                   | YES                     |
| Grp<br>1   | Himalayan Birch<br><i>Betula jacquemontii</i>                                                                            | A2  | 180<br>#                        | 2.2                                           | 15                                                                 | 2.5m to 5m to existing concrete driveway           | YES                     |
| Hedge<br>5 | Golden Leylandii<br><i>Cupressocyparis spp.</i>                                                                          | C2  | Av<br>150<br>#                  | 1.8                                           | 10                                                                 | 1m to existing concrete driveway                   | YES                     |
| 2          | Common Ash<br><i>Fraxinus excelsior</i>                                                                                  | C1  | 120<br>#                        | 1.4                                           | 7                                                                  | 1m to existing concrete driveway                   | YES                     |
| Grp<br>2   | False Acacia<br><i>Robinia pseudoacacia</i>                                                                              | A2  | 220<br>#<br>200/<br>170/<br>170 | 2.6<br><br>3.8                                | 22<br><br>44                                                       | 1m to existing concrete driveway                   | YES                     |

- 4.2 The new dwelling will be well clear of all existing on site retained trees/hedges and no trees or hedges will need to be removed or pruned to facilitate construction of same.
- 4.3 There is a minor constraint in the form of the low branching habit of the off site **Group 2 False Acacias**. The foliage hangs down to within 3.5m of the concrete access drive but the lowest main lateral branch of any significance is at around 4.5m above ground.
- 4.4 As will be seen from the Tree Constraints Plan the RPA's of some of the off site trees overlaps the existing concrete drive. However, this will not be an issue because the roots are under the concrete and are therefore fully protected from construction traffic.

## 5.0 RECOMMENDED TREE WORKS

- There will be no need to have any trees pruned to facilitate this development.

## 6.0 METHOD STATEMENT

### Generic Measures

- 6.1 Prior to any works being undertaken on this site the protective fencing is to be erected as shown on the **Tree Protection Plan BJH 03/04** (see at appendix B13). Barriers are to be 'Fit For Purpose' to comply with BS5837 requirements to exclude construction activity and must be maintained to ensure that they remain rigid and complete and in the original setting out positions.
- 6.2 A copy of the Tree Protection Plan is to be pinned up in the offices/mess hut on site for all site staff to see. The area within the fenced off exclusion zone is to be regarded as **sacrosanct** and the fencing shall not be taken down or relocated at any time without the prior written approval of the monitoring arboriculturist or local authority tree officer, unless this has already been agreed as part of the planning application consent process and is detailed in writing and shown on a plan.

The following prohibitions shall apply within the area enclosed by the Tree Protection 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 filter into the soil causing contamination.

6.4 The details of the proposed utility service links have been made available to me and I understand that there is an existing water; sewer and electricity connection to this site and it will simply be a matter of connecting in to same with no need to install new services through the access drive.

#### **Site Specific Measures**

6.5 The only arboricultural constraint will be the ground clearance for vehicles accessing the site which will restrict the size of vehicle that can be used to either deliver materials or be used in the construction works. This will simply be a matter of advising the building supplies company of the current width and height restrictions along the route into the site from Highground Lane.

### **7.0 SITE MONITORING & SUPERVISION**

BS5837 recommends that wherever trees on or adjacent to a site have been identified on the Tree Protection Plan as requiring special protection measures, there should be an auditable system of arboricultural site monitoring. This should extend to direct arboricultural monitoring whenever demolition/construction and development activity is to take place within or adjacent to any RPA. *In this instance no trees require special protection so there is no requirement for site monitoring and supervision.*

## 8.0 CONCLUSIONS

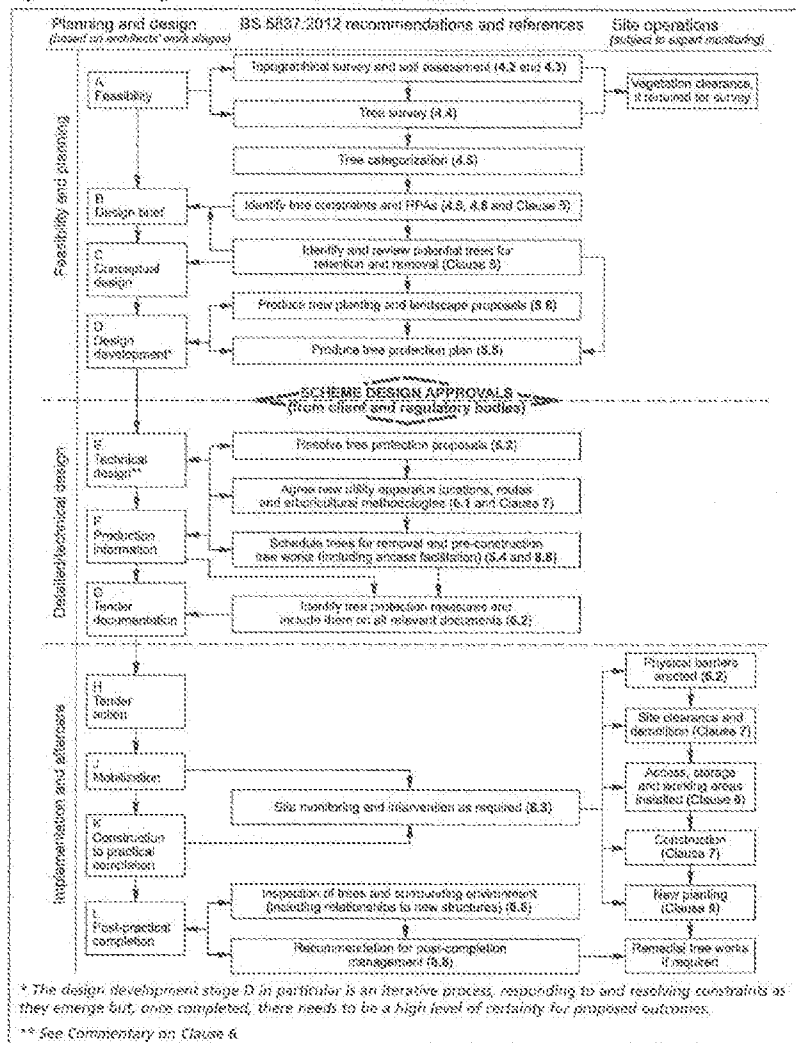
- No trees will need to be removed to facilitate the development proposals.
- The issue of low foliage overhang of the Acacias can readily be dealt with by restricting the size of the building supplies vehicles/construction vehicles that are allowed to enter the site. This will simply be a matter of advising the building supplies company of the current width and height restrictions along the route in to the site from Highground Lane.
- Overall, provided that the above methodology is strictly adhered to in the carefully considered and phased and supervised manner prescribed then I would not foresee any detrimental impact taking place that might undermine the ongoing health and stability or visual amenity value of those trees shown for retention both on and off this site.



# 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                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                   |                                                                                                                                        |                                                                                      |
| <b>Category U</b><br>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"><li>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)</li><li>Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline</li><li>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</li></ul> <p>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve.</p> |                                                                                                                                                                                                                                                                   |                                                                                                                                        |   |
| Trees to be considered for retention                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                   |                                                                                                                                        |                                                                                      |
|                                                                                                                                                                            | Criteria – Subcategories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |                                                                                                                                        |                                                                                      |
|                                                                                                                                                                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                 | 3                                                                                                                                      |                                                                                      |
| <b>Category A</b><br><b>Trees of high quality</b><br>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) |   |
| <b>Category B</b><br><b>Trees of moderate quality</b><br>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                                                                               |   |
| <b>Category C</b><br><b>Trees of low quality</b><br>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                                                                            |  |



# BH 2

Tree Survey & Root Protection Plans

BJH 01/02

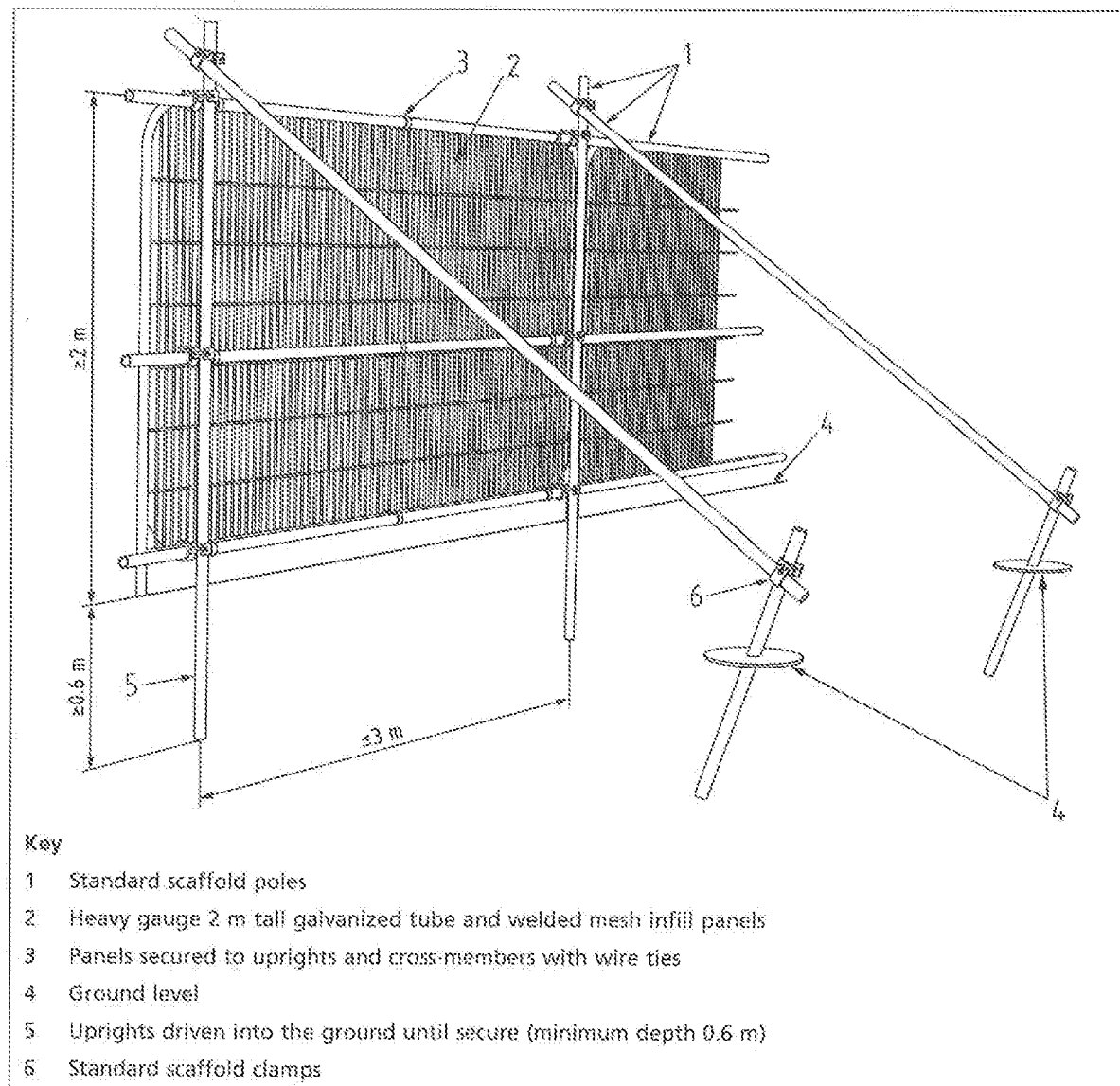


# BH 3

Tree Protection Plan BJH 03/04

+ BS5837:2012 – Figure 2

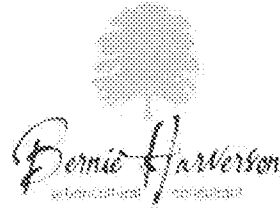
Figure 2 Default specification for protective barrier





# 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 : –

***The Granary, White Chimney Row, Westbourne PO10 8RS***

- I hold the following arboricultural qualification – **National Diploma in Arboriculture (Royal Forestry Society – 1976)**
- I have **fifty (50)** 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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