



# SJ Stephens Associates

ARBORICULTURAL, LANDSCAPE &  
MANAGEMENT CONSULTANTS

Savernake Barn  
Stokke Common  
Great Bedwyn  
Marlborough  
Wiltshire SN8 3LL  
Tel: 01672 871 862  
[www.sjstephens.co.uk](http://www.sjstephens.co.uk)  
e: [info@sjstephens.co.uk](mailto:info@sjstephens.co.uk)

## Arboricultural Impact Assessment

- Tree Survey
- Tree Protection Plan
- Arboricultural Method Statement

### At:-

Blessed Hugh Faringdon School  
Fawley Road  
Southcote  
Reading  
RG30 3EP

### On behalf of:-

Blessed Hugh Faringdon School  
Fawley Road  
Southcote  
Reading  
RG30 3EP

### Prepared by:

Catherine Fforde, HND Hort,  
Dip Arb L4(ABC), MCIHort,  
TechArborA  
Email: [catherine@sjstephens.co.uk](mailto:catherine@sjstephens.co.uk)

### Approved by:

Simon Stephens MA Oxon, Dip  
Arb(RFS), MArborA, C Env. MICFor  
Email: [simon@sjstephens.co.uk](mailto:simon@sjstephens.co.uk)

Survey Date: 24<sup>th</sup> May 2016  
Report Date: 1<sup>st</sup> September 2016  
Project no: 893

## **CONTENTS**

- 1 BACKGROUND**
- 2 SURVEY DETAILS AND SCOPE**
- 3 SURVEY LIMITATIONS**
- 4 FINDINGS AND PROPOSALS**
- 5 ARBORICULTURAL IMPACT ASSESSMENT**

### **Appendices**

- A Site Plan: drawing no: 893-02**
- B Tree Schedule**
- C BS 5837:2012 - Trees in relation to design, demolition and construction, Table 1**
- D Tree Protection Fencing Detail**
- E Site photos**

## **1 BACKGROUND**

- 1.1** This Arboricultural Impact Assessment relates to the proposed demolition of an existing building, together with the removal of an existing modular classroom and replacement with a new modular building, and provides recommendations for the management of trees on the site. It has been instructed by Hampshire County Council Property Services on behalf of the school.
- 1.2** The tree survey was undertaken, and this report has been prepared, by Catherine Fforde HND Hort, Dip Arb L4(ABC), MCIHort, TechArborA and approved by Simon Stephens MA Oxon, Dip Arb (RFS), MArborA, C Env, MICFor a Registered Consultant with the Arboricultural Association, with over 20 years relevant experience.
- 1.3** This survey and report have been prepared in accordance with recommendations provided in BS 5837:2012, Trees in relation to design, demolition and construction - Recommendations.
- 1.4** Documentation supplied:
  - Topographical survey
  - SJ Stephens Tree Constraints Report dated 1.6.16
  - Hampshire County Council plans, drawing nos:
    - E03174-HCC-ZZ-DR-A-2000-GA Plan update
    - E03174-HCC-ZZ-DR-A-2010-GF Block Plan\_B
    - E03174-HCC-ZZ-DR-A-3000-Planning Elevations\_A

## 2 SURVEY DETAILS AND SCOPE

- 2.1 The site survey included trees and shrubs, within influencing distance of the proposed development, with a stem diameter over 75mm at 1.5m height, located within the area shown on the plan included as Appendix A.
- 2.2 Tree inspection took place from ground level with the use of binoculars, sounding hammer and metal probe using the Visual Tree Assessment method (Mattheck & Breloer 1994). The presence and condition of bark and stem wounds, cavities, decay, fungal fruiting bodies and any structural defects that could increase the risk of structural failure were noted.
- 2.3 The suitability of trees for inclusion in the future development was considered, in particular considering the safe useful life expectancy, and sustainability, of trees on the site after development is completed.
- 2.4 Tree details have been added to the plan received which is included as Appendix A. Tree locations have been taken from the topographical survey provided. Where not included on the topographical survey, they have been determined by measuring distances from features shown on the plan, using a laser measuring device. The following information was recorded for each tree, and is shown in the Tree Schedule included as Appendix B:
- **Number:** an identity number for each tree, prefixed with a "T", which cross references locations shown on the plan with the schedule in Appendix B. Where a number of trees, normally of the same species, are located close together and are similar in character and requirements, they have been treated as a Group under a single Number, prefixed with a "G".
  - **Species:** common name.
  - **Tree height:** approximate height in metres.
  - **Stem diameter:** diameter in millimetres, taken at 1.5m above ground. Where there are a number of stems, stem diameters are recorded in the condition column.
  - **Branch spread:** approximate spread in metres to N,S,W and E of the trunk. The approximate branch spread is drawn on the plan.
  - **Canopy clearance:** approximate height of the canopy above ground. Where a significant, low lateral branch is present, its height and direction of growth is included in the Condition column.
  - **Age class:** Young, Semi-mature, Early mature, Mature, Over-mature, Veteran.
  - **Condition:** features that affect the safe useful life expectancy and amenity of the tree, including the presence of decay or any physical defect.
  - **Management Recommendations:** recommendations to ensure the health and safety of the tree, within the future development.
  - **Estimated Remaining Contribution:** <10 years, 5-15 years, 10-20 years, 15-30 years, 20-40 years, >40 years.
  - **Category grading:** tree classification taken from BS 5837:2012, Trees in relation to design, demolition and construction (see Appendix C for details), as follows:

- Category U: Unsuitable for retention, trees with less than 10 years life expectancy, normally recommended for removal (Red)
- Category A: high quality trees, able to make a substantial contribution for at least 40 years. (Green)
- Category B: moderate quality trees, able to make a significant contribution for at least 20 years. (Blue)
- Category C: low quality, in adequate condition to remain for at least 10 years, or young trees <150mm stem diameter. (Grey/Uncoloured)

For category A, B and C trees, a subcategory has been allocated, providing information on the reasons for selection of a specific category, as follows:

- Subcategory 1: mainly arboricultural values.
  - Subcategory 2: mainly landscape values.
  - Subcategory 3: mainly cultural values, including conservation.
- Trees have been classified irrespective of the possible proximity to future construction. The BS 5837 category is colour coded, as indicated above, on the plan included as Appendix A.
  - **Protection Distance:** the protection distance in metres required to provide the Root Protection Area recommended in BS 5837, assuming a circular area centred on the tree.
  - **Root Protection Area (RPA):** the area in m<sup>2</sup>, as recommended in BS 5837, to provide sufficient rooting area to ensure tree survival and which, in most situations, should be fenced off to prevent root damage from construction activities.

### 3 SURVEY LIMITATIONS

- 3.1 No internal decay devices, or other invasive tools to assess tree condition, were used.
- 3.2 No soil excavation or root inspection was carried out.
- 3.3 This survey has not considered the effect that trees or vegetation may have on the structural integrity of future building through subsidence or heave.
- 3.4 The tree survey has been undertaken principally for planning purposes. Although any obvious structural defects have been noted, a full Tree Hazard Assessment has not been carried out.

## **4 FINDINGS AND PROPOSALS**

### **4.1 Site Overview**

- 4.1.1 The proposal is to demolish the existing health and social care bungalow and to remove a modular classroom together with an area of hard surfacing in order to construct a new modular unit. The existing bike shelter will be relocated. The vehicular access point to the main road remains unaltered. An existing pedestrian access point will be relocated further to the north. The footprint of the modular unit and new external surfacing, together with tree details, has been overlaid on the survey drawing to create the Tree Protection Plan included as Appendix A.
- 4.1.2 The Blessed Hugh Faringdon School is located within a residential area. Iron railings enclose the area immediately around the school buildings and car park. The railings separate the school grounds from adjacent pavements to the south and the west. Playing fields are located between the school buildings and vegetated boundaries to the north and the east.
- 4.1.3 A line of Leyland cypress (G15) is growing inside the western boundary railings. These closely spaced trees are exhibiting good vigour and are providing screening to the school. Low branches have been removed to the west to provide clearance to the adjacent pavement. Low foliage within the site appears to have been cut back however there is no evidence of other management and crown growth above 1.5m extends up to 4.5m into the site. There is a reasonable depth of live foliage in the crowns so that there is some potential to cut back the extended growth without leaving unsightly bare branches.
- 4.1.4 Within the area surveyed are a number of trees and shrubs. Although these are providing greening to the area and provide some habitat they are generally of low quality. A number have been recommended for removal for management reasons. Details are included in the Tree Schedule attached as Appendix B.
- 4.1.5 Site photos are included as Appendix E.

### **4.2 Legal Protection of Trees**

- 4.2.1 Reading Borough Council confirmed by phone on 31<sup>st</sup> May 2016 that the site does not contain any Tree Preservation Orders and does not fall within a Conservation Area.
- 4.2.2 The presence of Planning Conditions currently attached to the site, was not checked.

### **4.3 Tree Work**

- 4.3.1 Details of proposed tree works are included in the Tree Schedule included as Appendix B.
- 4.3.2 Sixteen trees/tree groups are proposed for removal, as detailed in section 5.1 below.
- 4.3.3 All tree work should be undertaken to the standards set out in BS 3998:2010 Tree work – Recommendations.

### **4.4 Tree and Root Protection**

- 4.4.1 Root Protection Areas are shown for all trees in the Tree Schedule attached as Appendix B. They are also shown for all retained trees, as circular areas centred on the trunk, on the plan enclosed as Appendix A. This shows the distance that construction must normally be kept back from a tree, to provide the Root Protection Area recommended in BS 5837.
- 4.4.2 The location of Tree Protection Fencing is shown on the drawing attached as Appendix A. Together with the existing school railings this provides full protection of all Root Protection Areas, other than for:
  - Tree group number G15, where existing hard surfacing is providing adequate root protection and must remain in place throughout construction.
- 4.4.3 Tree Protection Fencing must be from weldmesh panels, at least 2m high, securely fixed, with wire or scaffold clamps, to a rigid framework. This framework must be constructed from scaffold tubes with vertical tubes, at a maximum interval of 3m and stabilised using an above- ground stabilising system. The structure must be well braced to resist impacts, constructed as per Figure 3a or 3b of BS 5837:2012, which is reproduced as Appendix D.
- 4.4.4 After erection of Tree Protection Fencing, two days notice must be given to the Local Planning Authority before any demolition or construction, including any ground work, starts on site. Tree Protection Fencing must be maintained and retained for the duration of the works, or until such time as agreed in writing with the Local Planning Authority.
- 4.4.5 Weatherproof notices must be fixed to the Tree Protection Fencing stating:- “Tree Protection Fencing – No construction activity to take place within this area”.

## **4.5 Ground Protection Areas**

- 4.5.1 Existing hard surfacing is providing protection to underlying roots in the areas shown solid cyan on the Tree Protection Plan. This hard surface must remain in place throughout the construction period. On no account must these areas be used for the installation of new services

## **4.6 General measures**

- 4.6.1 No construction activity whatsoever must be allowed within Root Protection Areas, other than that specifically described above. On no account must these areas be used for routing of underground services, storage of materials or on-site parking.
- 4.6.2 No mixing of cement, or concrete, or storage of fuel must take place within 10m of retained trees, nor in any position where the slope of the ground could lead to contamination of the Root Protection Area.
- 4.6.3 Fires must not be lit in a position where their flames could extend to within 10m of foliage, branches or trunk.
- 4.6.4 Landscape works carried out within Root Protection Areas must be undertaken with great care so as not to damage shallow roots. Tractor mounted rotovators or other heavy mechanical cultivation should not be used within the Root Protection Areas.
- 4.6.5 A copy of the Tree Protection Plan must be kept on site and must be fully understood by the Site Agent.

## **4.7 Bat roosts**

- 4.7.1 The current legislation makes it a criminal offence to disturb, damage or destroy any bat roost or hibernation area. Contractors must be reminded of their responsibilities and must contact the relevant authorities if any signs of bats are found.

## **4.8 Birds**

- 4.8.1 The current legislation makes it a criminal offence to disturb nesting birds. The nesting season is generally assumed to be from 1<sup>st</sup> March to 31<sup>st</sup> July, however this can vary depending on species and location. During these months a careful inspection must be made before work commences and works must be postponed if active nests are found.

## **5 ARBORICULTURAL IMPACT ASSESSMENT**

- 5.1** The following trees / tree groups, categorized as per BS 5837 (see Appendix C for details), are proposed for removal:
- Category U – unsuitable for retention: three trees/groups – G6, T8 and T13.
  - Category C – low quality: ten trees/groups – G4, T5, G7, T10, G11, G12, G14, T16, T17, T18 and G19.
  - Category B/C – between categories B and C
    - T9 – a 6.5m, early mature rowan with multiple pruning points, many with small pockets of decay, and exhibiting low vigour.
    - G15 – six trees from a line of mature Leyland cypress.
- 5.2** The line of Leyland cypress (G15) is providing separation and screening between the residential properties in Fawley Road and the school building. Removal of six trees will result in a loss of screening over approximately one third of the existing length. However as the school building is not a residential property, nor is it occupied during evenings, weekends and holidays the loss of this section of screening is not considered to have an unacceptable impact on the privacy of the local residents.
- 5.3** New planting is proposed to mitigate the loss of trees and shrubs, the vast majority of which are only of poor or low quality. New planting will provide an increased level of amenity benefit to local residents as well as users of the school.
- 5.4** Protection measures have been specified to protect all retained trees.
- 5.5** Although preservation of Root Protection Areas is deemed to protect tree roots, in some cases buildings may need to be set further back from trees to ensure their future sustainability. If large trees are too close to buildings, future occupiers may be likely to seek their reduction, or removal, if they are cutting out excessive sunlight or providing a claustrophobic or threatening environment. Section 5.2.2 of BS 5837:2012 states that “an indication of potential direct obstruction of sunlight can be illustrated by plotting a segment with a radius from the centre of the stem equal to the height of the tree, drawn from due North West to due East, indicating the shadow pattern through the main part of the day.”
- 5.6** Shading patterns for key trees has been shown on the plan. This shows that the new modular classroom is outside potential shading areas.
- 5.7** Provided the recommendations in this report are followed, the arboricultural impact of this development is considered acceptable.

APPENDIX A

**Key**

- Category U
- Category A
- Category B
- Category C
- Crown spread: retained trees
- Trees For Removal
- Root Protection Area
- Tree Protection Fence
- Ground Protection Area
- BS 5837 Shade Area
- New Tree
- New Planting

**SJ Stephens Associates**

Savernake Barn, Stokke Common  
Great Bedwyn  
Marlborough  
Wiltshire SN8 3LL  
01672 871862  
www.sjstephens.co.uk

JOB TITLE  
ASPERGERS RESOURCE CENTRE  
BLESSSED HUGH FARINGDON SCHOOL

DRAWING TITLE  
TREE PROTECTION PLAN

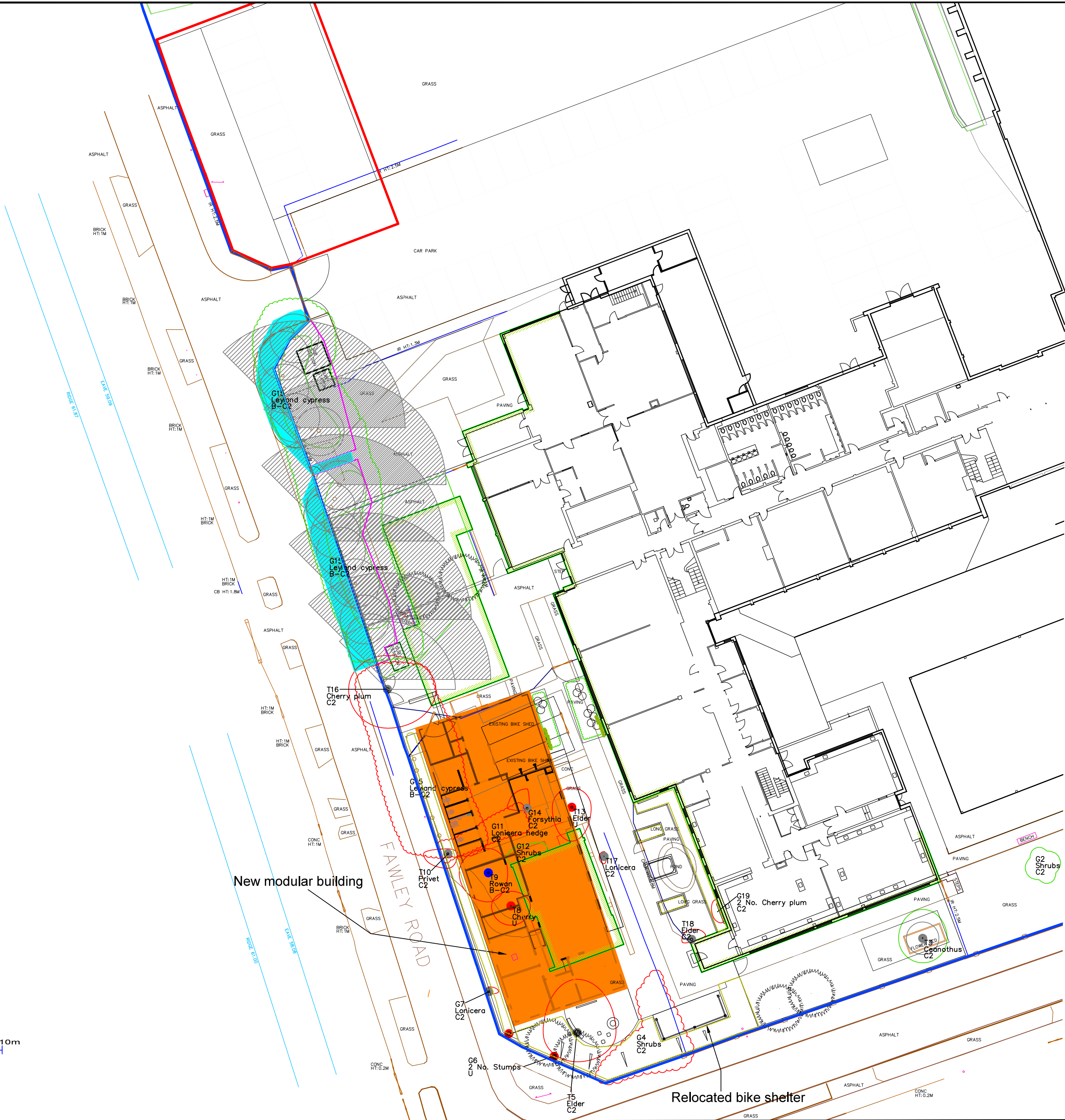
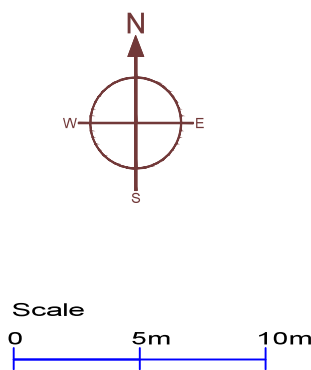
DRAWING NUMBER  
893-02

REVISIONS

SCALE  
1: 300 at A2

DATE  
SEPT 16

DRAWN BY  
C Fforde



| Tree/<br>Group<br>No. | Species           | Height<br>(m) | Stem<br>Diam. at<br>1.5m<br>(mm) | Branch Spread (m) |     |     |     | Canopy<br>Clearance<br>(m) | Age<br>Class | Observations                                                                                                                                                                                                                                                                         | Management<br>Recommendations                                                    | Estimated<br>Remaining<br>Contribution<br>(years) | BS 5837<br>Category<br>Grading | Protect<br>ion<br>Distnce<br>(m) | Root<br>Protect.<br>Area<br>(m2) |
|-----------------------|-------------------|---------------|----------------------------------|-------------------|-----|-----|-----|----------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|----------------------------------|----------------------------------|
|                       |                   |               |                                  | N                 | S   | E   | W   |                            |              |                                                                                                                                                                                                                                                                                      |                                                                                  |                                                   |                                |                                  |                                  |
| G1                    | Shrubs            | 1 - 2.5       | 25 - 125                         |                   |     |     |     | 0.1                        | Mature       | Mixture of shrubs including philadelphus, cotoneaster and forsythia - pruned to shape.                                                                                                                                                                                               |                                                                                  | 5-15                                              | C2                             | 1.5                              | 7                                |
| G2                    | Shrubs            | 0.9 - 2.5     | 25 - 100                         |                   |     |     |     | 0.1                        | Mature       | Mixture of shrubs including cotoneaster, rose and cherry plum - pruned to shape.                                                                                                                                                                                                     |                                                                                  | 5-15                                              | C2                             | 1.2                              | 5                                |
| T3                    | Ceanothus         | 2             | 140                              | 3                 | 2.5 | 2.5 | 2.5 | 0.5                        | Mature       | Wide spreading shrub growing in raised bed. Approx eight stems from 0.5m - average 50mm. Short lived species.                                                                                                                                                                        |                                                                                  | 5-15                                              | C2                             | 1.7                              | 9                                |
| G4                    | Shrubs            | 2 - 5         | 25 - 175                         |                   |     |     |     | 0.5                        | Mature       | Dense thicket of shrubs including lilac, mahonia, forsythia, cotoneaster, viburnum and elder, with ivy growing through. None of individual merit.                                                                                                                                    | Remove to facilitate construction of new bike shelter and allow new landscaping. | 5-15                                              | C2                             | 2.1                              | 14                               |
| T5                    | Elder             | 7.5           | est 600                          | 5.5               | 3   | 4   | 3.5 | 1.2                        | Over mature  | Large multi stem specimen. Engulfed in ivy - base not visible for inspection. Dieback in lower crown. Low amenity value.                                                                                                                                                             | Remove to facilitate development.                                                | 5-15                                              | C2                             | 7.2                              | 163                              |
| G6                    | 2 No. Stumps      | 0.75 - 1      | 400 - 450                        |                   |     |     |     | 0.0                        | Mature       | Lilac and privet stumps with fresh growth beginning. Ivy.                                                                                                                                                                                                                            | Remove.                                                                          | <10                                               | U                              | 5.4                              | 92                               |
| G7                    | Lonicera          | 1.4           | est 200                          | 0.5               | 0   | 1   | 0   | 0.4                        | Over mature  | Untidy clipped shrubs growing against railings. Shoots from root area.                                                                                                                                                                                                               | Remove.                                                                          | 5-15                                              | C2                             | 2.4                              | 18                               |
| T8                    | Cherry            | 6             | 120                              | 1.5               | 2   | 2   | 2   | 2                          | Early mature | Dead.                                                                                                                                                                                                                                                                                | Remove.                                                                          | <10                                               | U                              | 1.4                              | 7                                |
| T9                    | Rowan             | 6.5           | 220                              | 2.5               | 3   | 2   | 3   | 1.8                        | Early mature | Stem bifurcates at 1.9m. Multiple pruning points with small pockets of decay in many. Low vigour. Minor deadwood.                                                                                                                                                                    | Remove to facilitate development.                                                | 10-20                                             | B-C2                           | 2.6                              | 22                               |
| T10                   | Privet            | 4.5           | 210                              | 0.5               | 1.5 | 1   | 2.5 | 2.5                        | Mature       | Growing in hedge (G11) - base not inspected. Approx 12 stems, average 60mm. Cut back at base to south to 2.5m.                                                                                                                                                                       | Remove to facilitate development.                                                | 10-20                                             | C2                             | 2.5                              | 20                               |
| G11                   | Lonicera hedge    | 1.8           | 10 - 25                          |                   |     |     |     | 0                          | Mature       | Low quality, untidy hedge.                                                                                                                                                                                                                                                           | Remove to facilitate development.                                                | 5-15                                              | C2                             | 0.3                              | 0                                |
| G12                   | Shrubs            | 1.6 - 1.8     | 50                               |                   |     |     |     | 1                          | Mature       | 2 no. pyracantha and 1 no. photinia - all low quality.                                                                                                                                                                                                                               | Remove to facilitate development.                                                | 5-15                                              | C2                             | 0.6                              | 1                                |
| T13                   | Elder             | 6             | 250                              | 2                 | 3.5 | 2   | 2   | 2.5                        | Over mature  | Six stems, average 100mm - including two dead. Extensive dieback. Utility line through crown.                                                                                                                                                                                        | Remove.                                                                          | <10                                               | U                              | 3.0                              | 28                               |
| G14                   | Forsythia         | 1.8           | est 225                          | 2                 | 0   | 0   | 2   | 0.3                        | Mature       | Leaning stems to northwest, with cut stumps and fresh growth at base. Low quality.                                                                                                                                                                                                   | Remove.                                                                          | 5-15                                              | C2                             | 2.7                              | 23                               |
| G15                   | Leyland cypress   | 6.5 - 11      | 210 - 380                        |                   |     |     |     | 0.1                        | Mature       | Line of trees growing together to form dense screen. Many with multiple stems. Some patches of dead foliage in inner crowns but all showing good vigour. Low branches removed to west to clear railings. Crowns extending into site by up to 4.5m. Trees not individually inspected. | Remove six trees at southern end as required to facilitate development.          | 15-30                                             | B-C2                           | 4.6                              | 65                               |
| T16                   | Cherry plum       | 7             | 380                              | 3.5               | 4   | 5   | 4   | 1.8                        | Mature       | Four main stems, average 190mm, with multi stems above. Growing tightly against railings. Poor structure. Providing some screening. Growing under utility lines.                                                                                                                     | Remove to facilitate creation of new pedestrian access.                          | 10-20                                             | C2                             | 4.6                              | 65                               |
| T17                   | Lonicera          | 1.2           | 60                               | 0.5               | 0.8 | 0.2 | 0.5 | 0                          | Mature       | Untidy low quality shrub growing through broken chainlink fence. Approx 10 stems, average 20mm.                                                                                                                                                                                      | Remove.                                                                          | 5-15                                              | C2                             | 0.7                              | 2                                |
| T18                   | Elder             | 2             | 260                              | 1                 | 0   | 1.5 | 1   | 0.3                        | Mature       | Reduced to 1.2m in past. Good vigour but low quality shrub. Three stems, average 150mm.                                                                                                                                                                                              | Remove to facilitate new landscaping.                                            | 5-15                                              | C2                             | 3.1                              | 31                               |
| G19                   | 2 No. Cherry plum | 2             | 50 - 125                         |                   |     |     |     | 0.2                        | Early mature | Low quality, shrub-like trees - reduced in past to 1.2m.                                                                                                                                                                                                                             | Remove to facilitate new landscaping.                                            | 5-15                                              | C2                             | 1.5                              | 7                                |

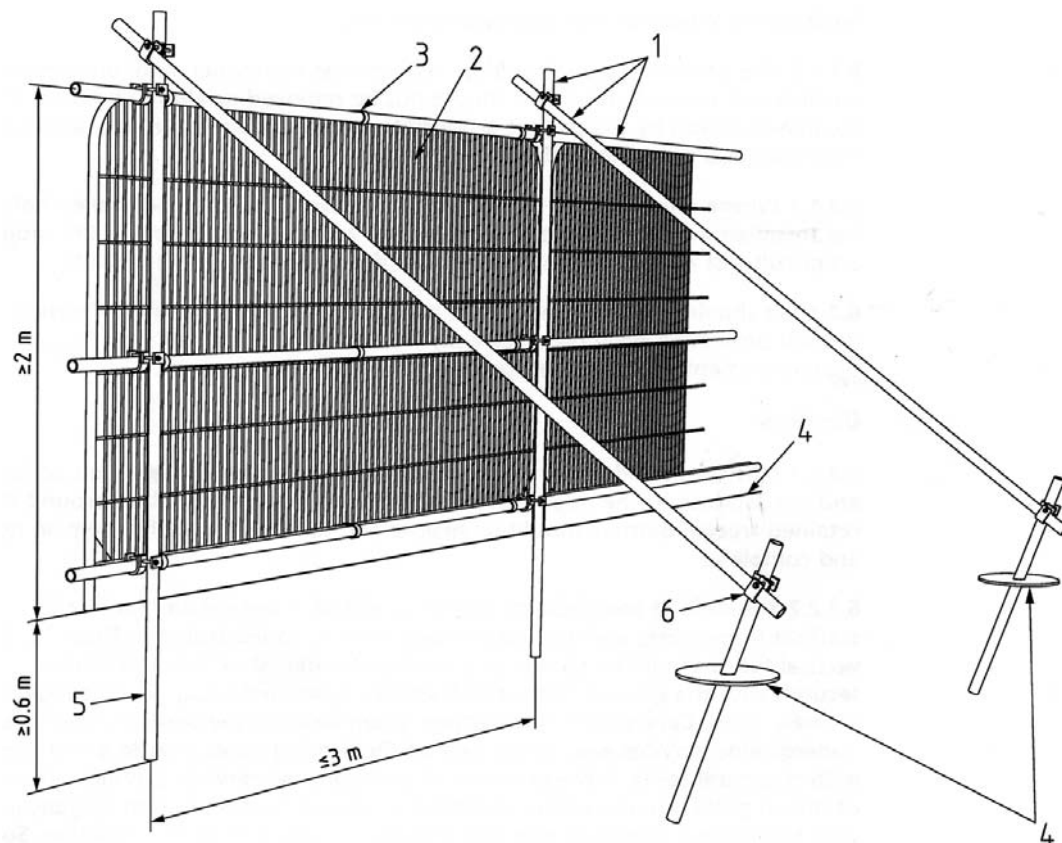
BS 5837:2012, Table 1 Cascade chart for tree quality assessment

| Category and definition                                                                                                                                                                                                                                                  | Criteria (including subcategories where appropriate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Identification on plan                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Trees unsuitable for retention (see Note)</b>                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| <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 (e.g. 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><i>NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.</i></p> | See Table 2                                                                                                                           |
| <b>Trees to be considered for retention</b>                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| <b>1 Mainly arboricultural qualities</b>                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| <b>Category A</b><br><b>Trees of high quality</b> 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 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> with an estimated remaining life expectancy of at least 20 years                                                                                                                                                   | Trees that might be included in 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 with material conservation or other cultural value                                                                              |
| <b>Category C</b><br><b>Trees of low quality</b> with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm                                                                                                      | Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Trees with no material conservation or other cultural value                                                                           |
| <b>2 Mainly landscape qualities</b>                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| <b>3 Mainly cultural values, including conservation</b>                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| <b>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</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| <b>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</b>                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |

Figure 2

**Key**

- 1 Standard scaffold poles
- 2 Heavy gauge 2 m galvanised tube and welded mesh infill panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps



**Examples of above-ground stabilising systems**

Figure 3a

Stabiliser strut with base plate secured with ground pins

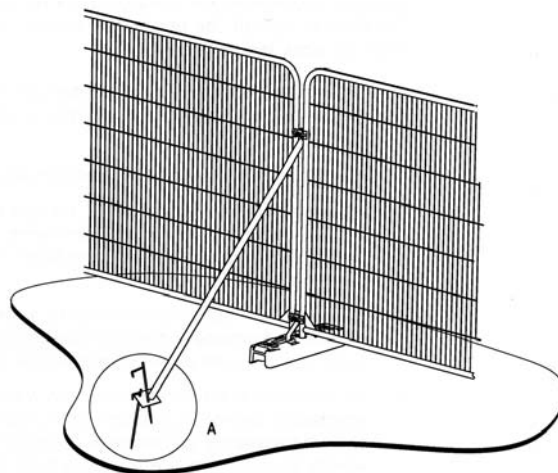
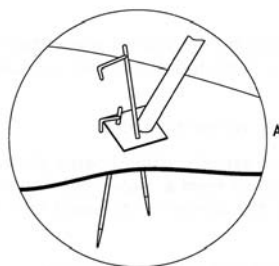
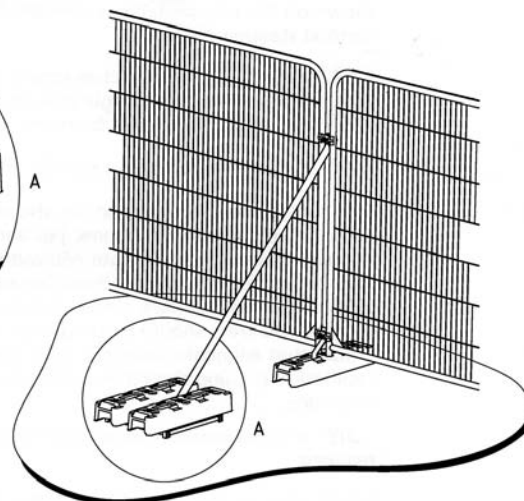
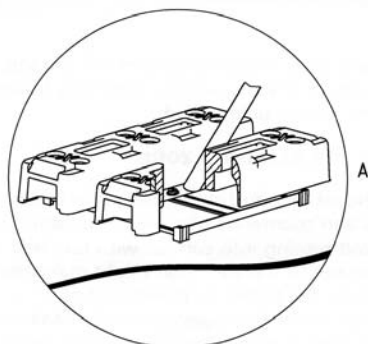


Figure 3b

Stabiliser strut mounted on block tray



Low quality hedge and shrubs to be removed.



Leyland cypress, G15, adjacent to existing bicycle storage area. Section to be removed to allow construction of new modular building.



G15 adjacent to existing modular classroom and school car park entrance. Section to be retained.



Mixed shrubs, G4.



Elder, T5.



Trees and shrubs to be removed.

End of line of Leyland cypress, G15 and privet, T10.



Rowan, T9 and dead tree, T8.

Elder, T13

