ARBORSENSE

ARBORICULTURAL CONSULTANTS

ARBORICULTURAL REPORT

Grounds of Tyler House
Cross Colwood Lane
Bolney, Haywards Heath
RH17 5RX

Produced for: Duke Harvey

Prepared by: Mr Saul Heath FdScArb TechArborA

Date: 18-01-22

Arborsense Ref: Tyler House

Arboricultural Report

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1. Introductory Details

1.1. Arborsense Arboricultural Consultants have been instructed by Duke Harvey to undertake a tree survey at Tyler House and to provide an arboricultural report.

1.2. The tree survey was undertaken to provide my client with advice relating to his planning application. Survey observations and any required mitigation measures have been detailed in this report.

2. Scope and Limitations of the Report

2.1. This report includes:

- Assessment of the health, condition and safety of the trees.
- Identification and assessment of any direct or indirect impact on existing trees which may occur as a result of the development, and details measures which should be taken to mitigate these impacts.
- Recommendations on any immediate and future management of the trees based on current best practice guidelines.

2.2. Trees are living organisms whose health and condition can change rapidly and all trees, even healthy ones, are at risk from unpredictable climatic and man-made events. The assessment of risk for any tree is based upon factors evident at the time of the inspection and the interpretation of those factors by a suitably qualified inspector. The health, condition and safety of trees should be checked on a basis commensurate with the level of risk and preferably on an annual basis.

2.3. The assessment of the trees, conclusions and any recommendations made in this report are valid for a period of 12 months only. This period of validity may be reduced should there be any change in factors affecting both the surrounding environment and built structures within close proximity. In addition, any conclusions were made based on information available at the time of the inspection and any inaccuracies in this information may affect the validity of this report

2.4. The trees were inspected from ground level, further assessment of the trees through climbing or internal investigation was not deemed necessary.

2.5. This is not a detailed dimensional report and the measurements given are approximate.

2.6. No responsibility is assumed by Arborsense for legal matters that may arise from this report and the consultant shall not be required to give testimony or to attend court unless subsequent contractual arrangements are made**.**

2.7. Any alteration or deletion from this report will invalidate it as a whole.

3. Survey Method

3.1. Each tree or tree group was given a unique identity number. A visual tree assessment was then made and the following data recorded in accordance with BS5837:2012, *Trees In Relation To Design, Demolition and Construction Recommendations.*

- Tree position
- Individual number
- Height
- Stem diameter at 1.5m (DBH)
- Branch spread at 4 cardinal points
- Height above ground level of canopy, first significant branch (fsb) and direction of fsb.
- Age class
- Observations
- Structural condition
- Preliminary management recommendations
- Estimated remaining contribution (years)
- Category grading
- Root Protection Areas (RPA's)

4. Observations

4.1. The surrounding garden is well planted out with a wide variety of trees and shrubs of differing ages and species, my client emphasised his commitment to retaining all trees within the site. The new development will sit within the existing buildings footprint.

5. Description of the Proposed Development

5.1. To build one new dwelling house (see the proposed layout).

6. Arboricultural Implications of the Proposed Development

6.1. There will be no loss of tree cover to facilitate the development; all existing trees can be retained within the scheme; the scheme will not have an adverse impact on the local landscape.

6.2. It is intended that a satisfactory juxtaposition will be achieved between the development and the existing trees by following the tree protection guidelines set out in BS: 5837, 2012 as detailed in the following method statement and shown on the tree protection plan (Appendix 3.)

7. Future tree management

7.1. A monitoring and maintenance regime will be implemented to ensure that the retained trees remain in good health and that any future problems can be detected and remedial actions taken.

8. Arboricultural Method Statement

Introduction:

8.1. This method statement has been prepared by Arborsense on behalf of my client. It has been prepared to ensure that the trees within influencing distance of the development are properly protected throughout the construction works and continue to represent a visual amenity in the future. It instructs all contractors on methods to avoid damage to the trees. It should be included as part of the specification and schedule of works issued to the contractors, and can form part of the contract. It should be available on site for inspection by local authority officers, contractors and other relevant persons.

8.2. The method statement recommends all development within influencing distance of the trees is carried out in accordance with BS5837:2012 *Trees In Relation To Design, Demolition and Construction Recommendations.*

8.3. The developer will agree to undertake tree protection to the standard advised in this method statement. Every contractor on site must receive a copy of the statement and abide by its contents.

8.4. The developer should enforce the methods of protection identified within the statement. All sub-contractors must also agree to them.

Specification for protection of the existing trees:

8.5. Fencing will be installed to protect the root protection areas (RPA's) of T1-T3 & G1 before any works commence; the fencing will be constructed in accordance with BS 5837: 2012 (*Appendix 1.)* The area enclosed by the fencing will be considered a complete exclusion zone; there will be no vehicles, equipment or machinery within the fenced off areas *(see Appendix 3.)*

Under no circumstances will any materials be stored within the fenced off areas, and no cement, diesel or oil stored near to them.

8.6. No fires will be lit in a position where the flames could extend to within 5 metres of the foliage, branches or trunk of a retained tree.

8.7. No retained tree shall be cut down, uprooted or destroyed, nor shall any retained tree be topped or lopped, other than in accordance with the prior written approval of the Local Planning Authority and BS3998: 2010 *Tree Work Recommendations.* If any retained tree is removed, uprooted, destroyed or dies, a replacement tree shall be planted and that tree shall be of such size and species and shall be planted at such a time and in a position to be agreed with the Local Planning Authority.

8.8. Any roots that are found which are smaller than 25mm in diameter during the excavations shall be pruned back to a side shoot or suitable position with a sharp pruning tool such as bypass secateurs. Roots larger than 25mm diameter should only be severed following consultation with the arboriculturist. Roots can become desiccated quickly and should be covered with dry, clean hessian sacking to prevent freezing overnight or a wet cloth on warm days.

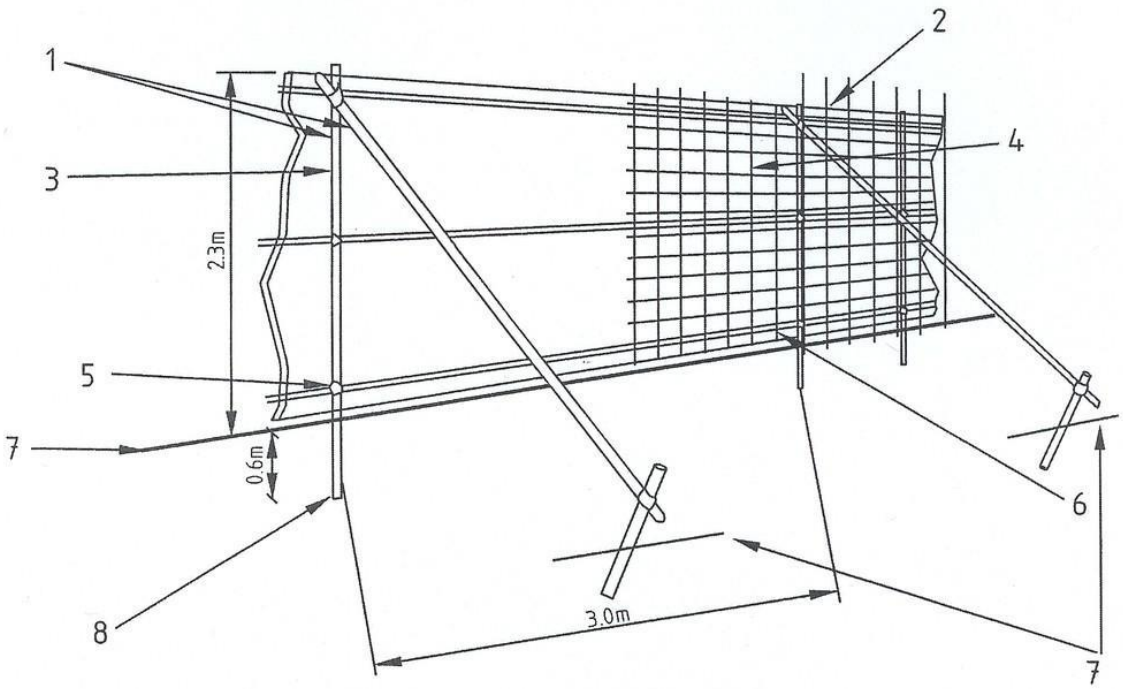
9. Data schedules explanatory notes

9.1. Survey Data Schedules:

- Tree ID: Identification number for each tree on the plan.
- Species: Common name for each tree
- Y-Young: Newly established tree with DBH of 15cm or less.
- SM-Semi-mature: Well established tree, but one which has significant growth before reaching its full height or spread.
- M-Mature: A tree which has reached its maximum size.
- OM-Over-mature: A tree which is past reaching its maximum size and is 'growing down'.
- Veteran: A tree which has attained an age which is exceptional for that specific species.
- Dead: Self explanatory
- MS/multi-stemmed at 150cm.
- DBH: The stem diameter in millimetres at a height of 150cm from the base of the stem.
- Height: Height of the tree measured in metres.
- Grade: The category grading applied to each tree or group of trees in accordance with BS 5837. A: trees of high quality. B: trees of moderate quality. C: trees of low quality. U: trees unsuitable for retention.
- Sub grade: The criterion which was used to assess trees in terms of either arboricultural (1), landscape (2), or conservation value (3).
- Structural condition: The structural integrity of the tree; taking into account features like hollows, included bark etc.
- Branch Spread: N/S/E/W: The crown spread measured in metres separately in the 4 directions.

- Height above ground level of canopy, first significant branch and direction of first significant branch.
- Estimated remaining contribution in years: Estimated prospective life expectancy of the tree recorded in 4 categories: -10, 10+, 20+ and 40+.
- Observations: Any comments regarding previous work done on the trees; Structural problems; Disease; Deadwood etc.
- Preliminary Management Recommendations: Any recommended work or further investigations which are needed to rectify any of the faults identified in the survey.

APPENDIX 1. EXAMPLE PROTECTIVE BARRIER



1 Standard scaffold poles
2 Uprights to be driven into the ground
3 Panels secured to uprights with wire ties and, where necessary, standard scaffold clamps
4 Weldmesh wired to the uprights and horizontals
5 Standard clamps
6 Wire twisted and secured on inside face of fencing to avoid easy dismantling
7 Ground level
8 Approx. 0.6m driven into the ground

APPENDIX 2. TREE SURVEY DATA SCHEDULES

Tree No.	Species	Height m	Stem Diameter mm	Branch Spread m	Height Above Ground Level m	Age Class	Observations	Structural condition	Preliminary Management Recommendations	Estimated Remaining Contribution (years)	Category Grading U,A,B,C 1,2,3
T1	Rhododendron	5	80+60+60+50	N 3 E 3 S 3 W 3	Canopy 2 Fsb 2 Direction W	Mature	Multi-stemmed	Fair	None	10+	C3
T2	English Oak *Quercus robur*	9	180	N 3 E 3 S 3 W 3	Canopy 2.5 Fsb 2 Direction S	Mature	Healthy tree	Good	None	20+	B2
T3	Hinoki Cypress *Chamaecyparis obtusa*	14	350	N 2 E 2 S 2 W 2	Canopy 1 Fsb 1 Direction S	Mature	Healthy tree	Good	None	20+	B2
G1	Birch, Hazel and Oak	6 to 9	50 to 120	N 2 E 2 S 2 W 2	Canopy 3 Fsb 3 Direction NESW	Semi-mature	Mixed group	Fair	None	20+	B2

APPENDIX 3. TREE PROTECTION PLAN