

ARBORSENSE

ARBORICULTURAL CONSULTANTS

ARBORICULTURAL REPORT

**Park House Hotel
Bepton
Midhurst
GU29 0JB**

Produced for: Adam Chan @ MSBC UK

Prepared by: Mr Saul Heath FdScArb TechArborA

Date: 05-08-21

Arborsense Ref: Park House Hotel

Arboricultural Report

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1. Introductory Details

1.1. Arborsense Arboricultural Consultants have been instructed by Adam Chan to undertake a tree survey at Park House Hotel and to provide an arboricultural report.

1.2. The tree survey was undertaken to provide my clients with advice relating to their 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:

- 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.
- Assessment of the health, condition and safety of the trees.
- 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. Permission should be obtained in writing from the local authority before carrying out any work on protected trees.

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

3. Survey Method

3.1. The site was surveyed on the 4th of August, 2021. Each tree 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 & Recommendations

(See the Tree Protection Plan below for clarity)

4.1. There are 3 mature Holly Oaks on the verge by Bepton Road (T1, T2 & T3) the trees appears healthy with good vigour. I recommend that the lower northerly crown of T1 is lifted to 6m above ground level.

4.2. T4 is an over-mature Holly Oak, unfortunately the tree appears to be in decline, there is sparse foliage, dieback in the crown and fungal fruiting bodies on the main stem. Due to its proximity to buildings and car-parking I recommend that it is felled.

5. Description of the Proposed Development

5.1. Construction of a new plant room (see Sloane & Browns proposed layout).

6. Arboricultural Implications of the Proposed Development

6.1. There will be no loss of tree cover to facilitate the development; minor pruning of T1's lower crown to facilitate the building should not affect the trees health.

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

8.1. Fencing will be installed to protect the root protection areas (RPA's) of T1, T2 & T3 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 area. Under no circumstances will any materials be stored within the fenced off area, and no cement, diesel or oil stored near to it.

8.2. A Geo-textile three dimensional confinement system (*Appendix 2.*) will be laid before any works commence (shown as Ground Protection on the Tree Protection Plan). The system will minimize the potential for soil compaction. The confinement system should be filled with no-fines gravel, washed aggregate or cobbles. Materials with a high-fines content should not be used due to their almost impermeable texture when consolidated.

8.3. 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.

8.4. 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.

8.5. The new foundations will be formed on top of concrete piles rather than traditional strip foundations; this will minimise incursion into the RPA's of T1 & T2.

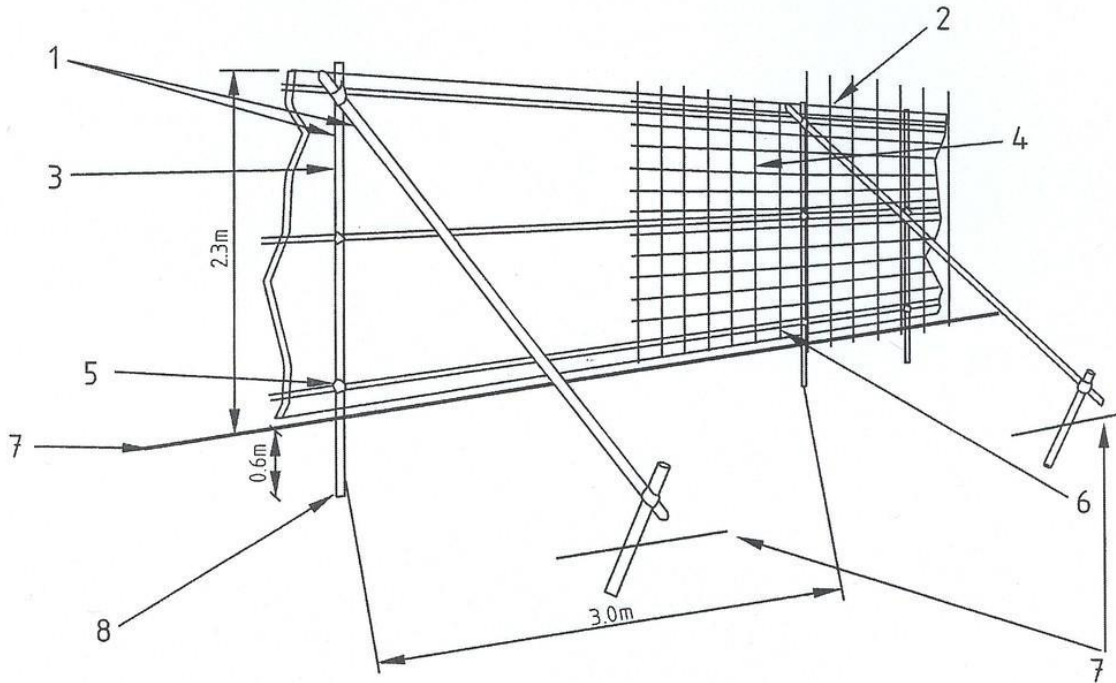
9. Data schedules explanatory notes

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.

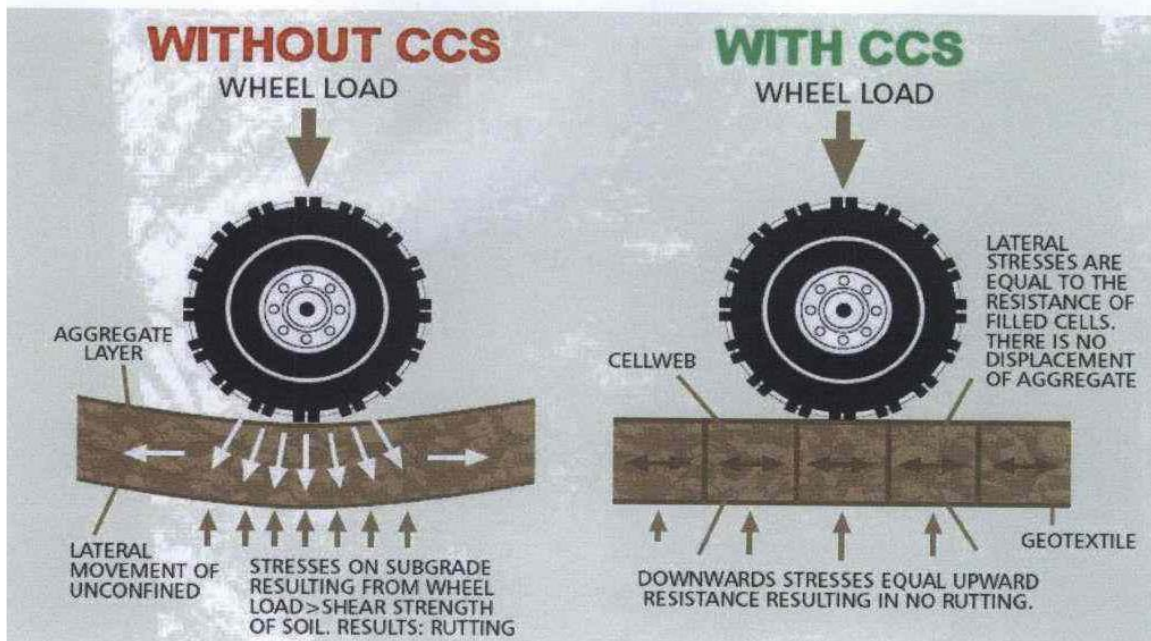
APPENDIX 1.



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

Example Protective Barrier: BS5837:2012

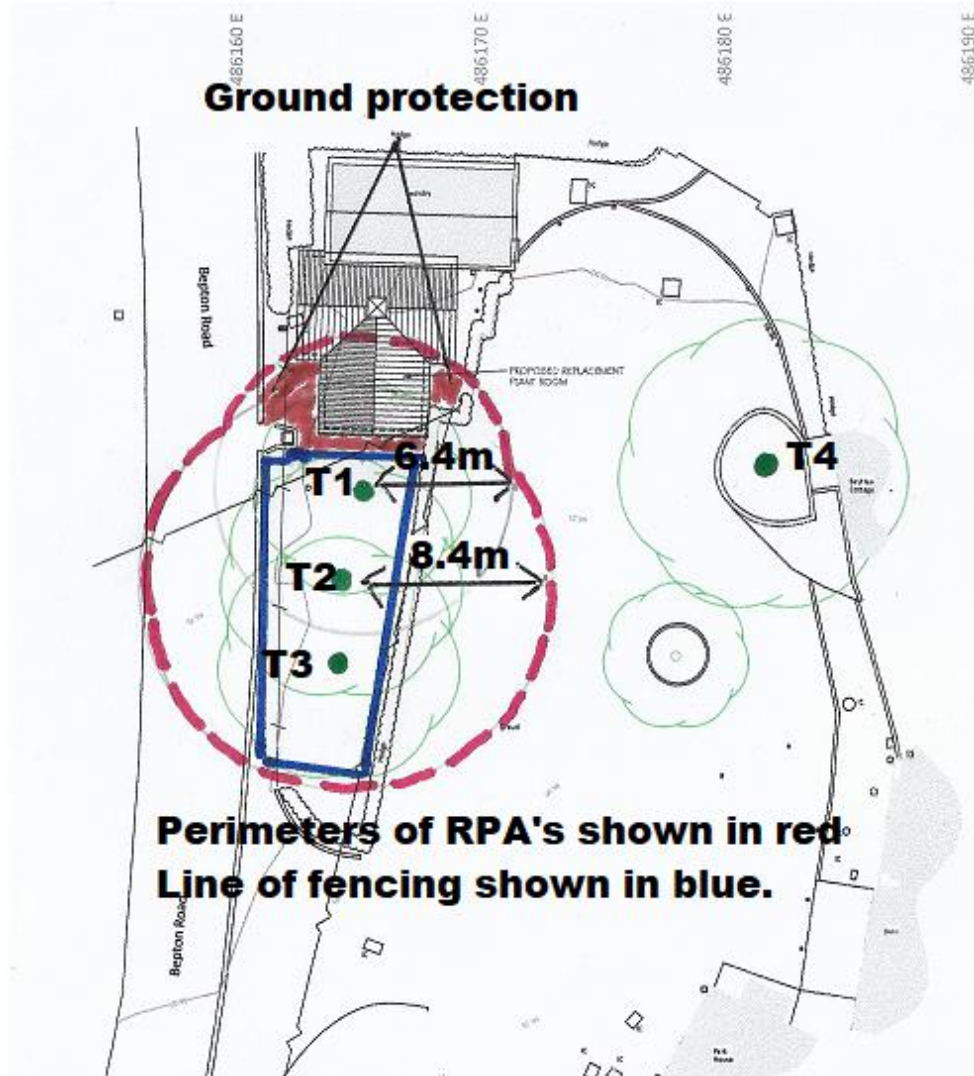
APPENDIX 2.



Example Geo-textile three dimensional confinement system.

www.geosyn.co.uk

APPENDIX 3. TREE PROTECTION PLAN



APPENDIX 4: 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	Holly Oak <i>Quercus ilex</i>	16	530	N 3.5 E 6 S 3 W 5	Canopy 5 Fsb 2 Direction E	Mature	Previously pruned	Good	Lift the northerly crown	20+	B2
T2	Holly Oak <i>Quercus ilex</i>	17	700	N 3 E 4 S 3 W 5	Canopy 6 Fsb 5 Direction W	Mature	Previously pruned	Good	None	20+	B2
T3	Holly Oak <i>Quercus ilex</i>	16	520	N 3 E 6 S 7 W 6	Canopy 4 Fsb 2 Direction E	Mature	Previously pruned	Good	None	20+	B2

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T4	Holly Oak <i>Quercus ilex</i>	15	900	N 5 E 4 S 5 W 5	Canopy 5 Fsb 2 Direction N	Over-mature	Dieback in the crown, sparse foliage, Fungal fruiting bodies on the main stem	Very poor	Fell	-10	U