ARBORSENSE

ARBORICULTURAL CONSULTANTS

ARBORICULTURAL REPORT

42 Hurst Road
Hassocks

Produced for: Colin Brace

Prepared by: Mr Saul Heath FdScArb TechArborA

Date: 12-09-23 & 09-04-24 (see addendum 1.) 18-07-25

Arborsense Ref: 42 Hurst Road

Arboricultural Report

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09-04-24

1. Introductory Details

1.1. Arborsense Arboricultural Consultants have been instructed to undertake a tree survey at 42 Hurst Road 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:

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

3. Survey Method

3.1. The site was surveyed on the 11th of September, 2023. 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 & Recommendations

(See the Tree Protection Plan below for clarity)

4.1. There is one large, mature Beech (T1) located in the rear garden; the tree appears healthy with good vigour.

4.2. T5 is a large, mature Oak, located in the neighbouring garden of No. 40 Hurst Road, again the tree appears healthy.

4.3. The Cherry (T2) is in decline and should be felled.

4.4. The Cypress in the front garden (T7) should be removed to facilitate the extension. A new native species should be planted elsewhere in the grounds to mitigate its loss.

5. Description of the Proposed Development

5.1. This report has been updated since the previous application was consented to include the conversion of the previously consented pool building to the rear of the site into a residential dwelling plus the addition of a small car-port serving this new dwelling accessed via the vehicular access track on the western boundary of the site.

6. Arboricultural Implications of the Proposed Development

6.2. There will be minimal incursion into the RPA's of T1 & T5 to facilitate the new residential dwelling and the extent of works within these areas will be identical to the development approved under application reference DM/24/1748. It is proposed that a geotextile membrane system will be applied to the access track to protect the tree roots. T7 & G2 are low quality trees with minimal amenity value. There are a number of trees within the neighbouring garden of No. 44 that sit close to the boundary between the two properties. The extension of the access track is not considered to have any detrimental effect on them, neither with the addition of the car-port affect the neighbouring trees.

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 area (RPA's) of T1 & T5 before any works commence; the fencing will be constructed in accordance with BS 5837: 2012 (*Appendix 1.)* The areas enclosed by the fencing will be considered complete exclusion zones; there will be no vehicles, equipment or machinery within the fenced off areas. Under

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

8.2. A Geo-textile three dimensional confinement system ***(Appendix 2.)*** will be laid before any work commences (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. This will be used as a permanent base for both the access track and car-port.

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. 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

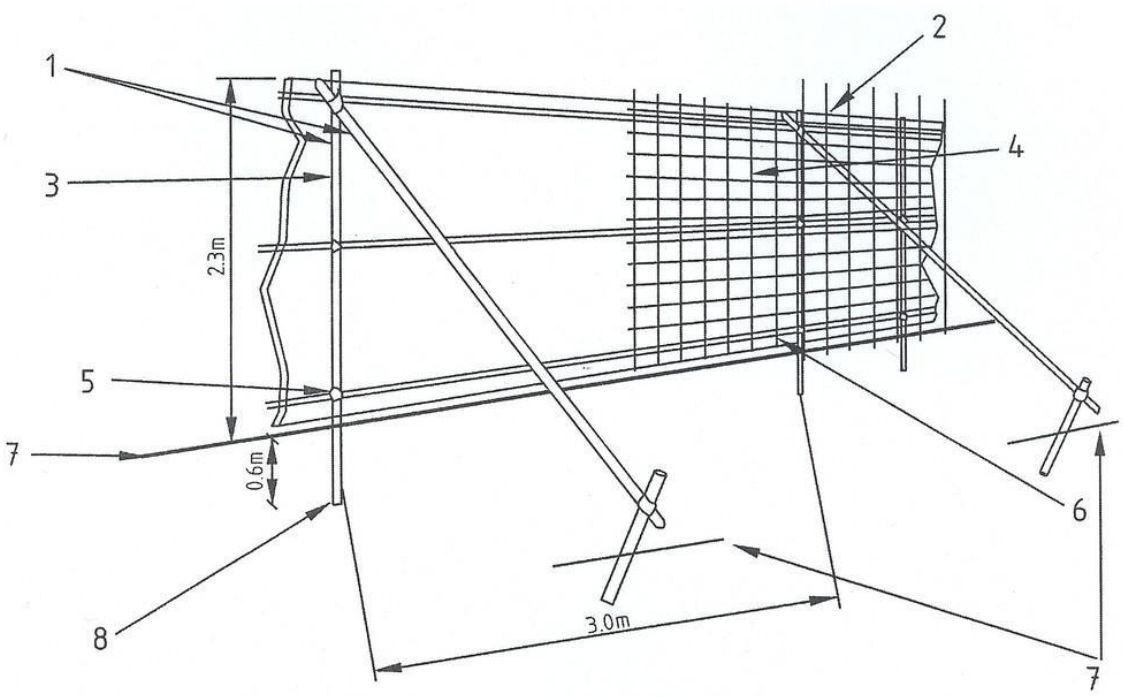
9.1. Survey Data Schedules:

- 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.

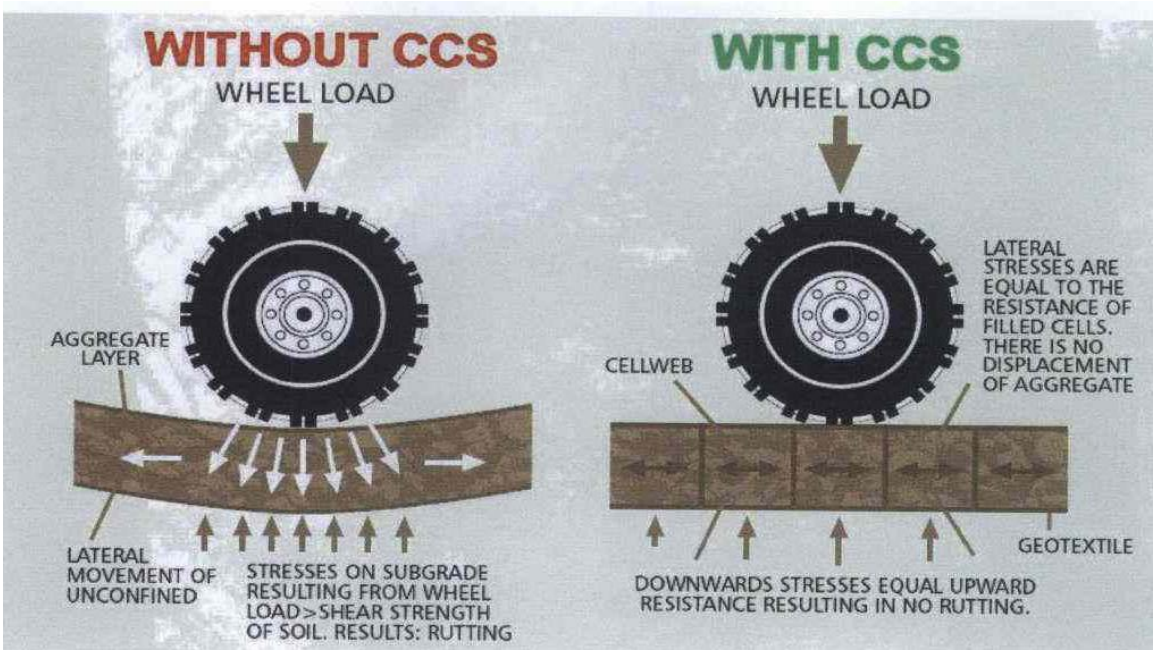
APPENDIX 1.



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

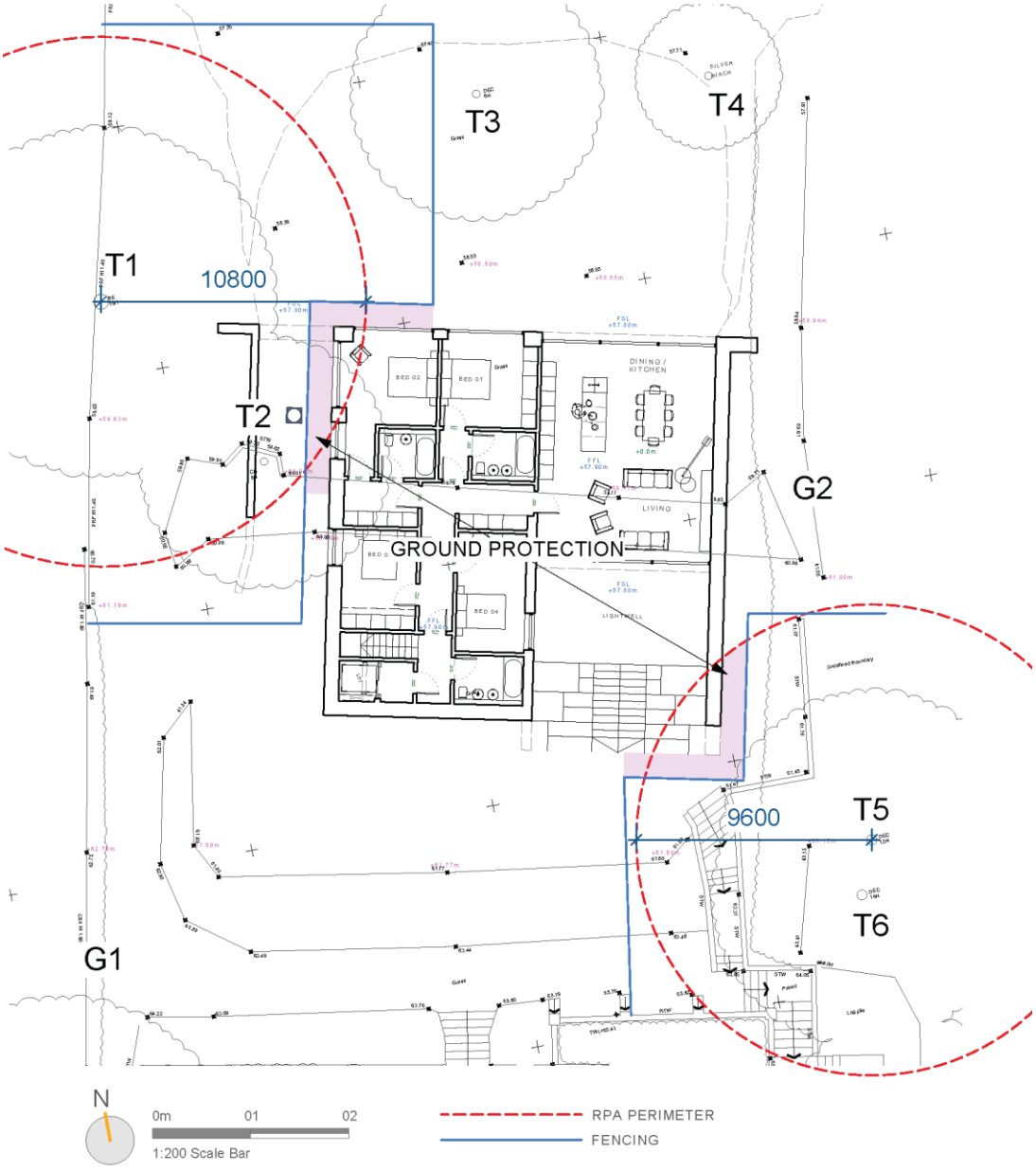
Example Protective Barrier: BS5837:2012

APPENDIX 2. GROUND PROTECTION



Example Geo-textile three dimensional confinement system.
www.geosyn.co.uk

APPENDIX 3. TREE PROTECTION PLAN

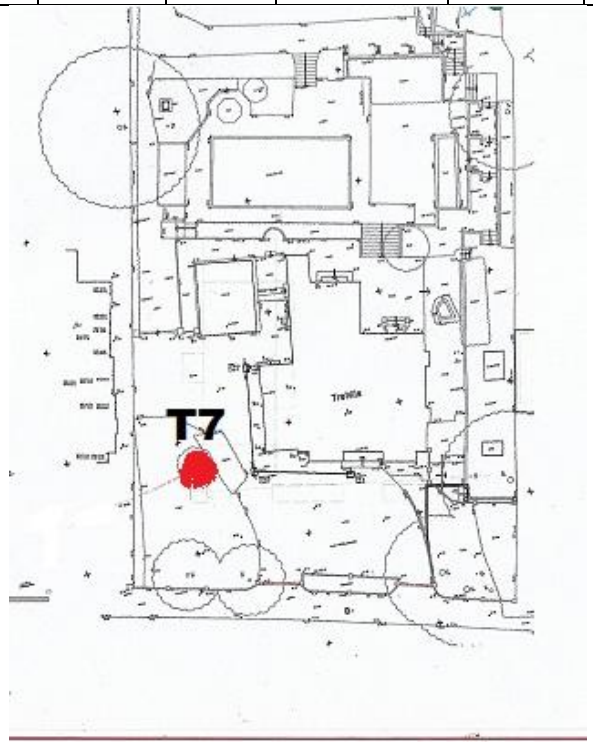

T1
T2
T3
T4
T5
T6
G1
G2
10800
9600
GROUND PROTECTION
N
0m
01
02
1:200 Scale Bar
RPA PERIMETER
FENCING

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	Common Beech	18	900	N 5 E 6 S 6 W 6	Canopy 2 Fsb 3 Direction W	Mature	Ivy growing up the main stem	Good	Sever the Ivy	40+	B1
T2	Cherry	8	250+300	N 3 E 4 S 4 W 2	Canopy 3 Fsb 3 Direction N	Over-Mature	Decay and deadwood	Poor	Fell	-10	U
T3	Fig	6	Multiples of 10-50	N 3 E 3 S 3 W 3	Canopy 0.1 Fsb 0.1 Direction NESW	Mature	Previously pruned	Fair	None	20+	C3

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
T4	Plum	6	180	N 2 E 2 S 1 W 1	Canopy 2 Fsb 2 Direction N	Mature	Deadwood	Poor	Remove the deadwood	10+	C3
G1	Ash, Hazel, Cypress & Laurel	2 to 10	150 max	N 3 E 2 S 2 W 2	Canopy 1 Fsb 1 Direction NESW	Mature	Boundary hedging showing lack of recent maintenance	Fair	Trim into shape	20+	C3
G2	Hazel, Fruit, Cypress	2 to 11	75-200	N 3 E 2 S 2 W 2	Canopy 1 Fsb 1 Direction NESW	Mature	Boundary hedging showing lack of recent maintenance	Fair	Trim into shape	20+	C3
T5	English Oak	17	800	N 4 E 4 S 4 W 4	Canopy 3 Fsb 2 Direction N	Mature	Located in neighbors garden	Good	None	40+	B1
T6	Cherry	14	300+250	N 3 E 2 S 2 W 2	Canopy 2 Fsb 2 Direction S	Mature	Located in neighbors garden	Fair	None	20+	B1

T7	Cypress	10	150+140	N 3 E 2 S 2 W 2	Canopy 0.5 Fsb 0.1 Direction NESW	Mature	Unsuitable for retention	Poor	Remove to facilitate the extension	-10	U
G2	Lawsons Cypresses	5 to 8	130 to 180	N 2 E 2 S 2 W 2	Canopy 0.5 Fsb 0.1 Direction NESW	Mature	Low quality trees	Poor	Remove to facilitate the driveway	-10	C3



Addendum 1: Trees to be removed to facilitate the new driveway.