



Date: 21st December 2022 / Revision 00

| Tree Survey No. | Species | Tree Stem Diameter @1.5m Height | Tree Root Protection Area Radius | Height (approx) | | Spread (approx) | | Age Class & Years Remaining | | Struct. Cond. | Vigour | Notes / Comments | Category | | Status |
|-----------------|--|---------------------------------|----------------------------------|-----------------|----------------|-----------------|--------|-----------------------------|----------|---------------|--------|---|----------|-----|--------|
| | | | | Overall | Clear Stem Ht. | N | E | Early | Mature | | | | B | 1&2 | |
| T 01 | <i>Fagus sylvatica</i> (Beech) | 975mm Ø [Avg.] | 11.70m | Height Overall | 14.0m | N 7.5m | E 7.5m | Mature | 40 + yrs | Good | Good | Large and mature Beech to the garden edge in close proximity to a timber out-building. Some hollowing to lower basal area with large historical limb loss which has only partly occluded [northern aspect], 1 no. main / 1 no. subsidiary stems, some ivy to lower part of tree which limited a full visual inspection. | B | 1&2 | Retain |
| | | | | Clear Stem Ht. | 3.0m | S 7.5m | W 7.5m | | | | | | | | |
| T 02 | <i>Acer pseudoplatanus</i> [Sycamore] | 450mm Ø | 5.40m | Height Overall | 12.0m | N 4.0m | E 2.0m | Early | 40 + yrs | Good | Good | Single stemmed Sycamore with distinct lean to the south [away from adjacent mature trees] - some ivy to lower part of tree. | B | 1 | Retain |
| | | | | Clear Stem Ht. | 3.0m | S 4.0m | W 5.5m | Mature | | | | | | | |
| T 03 | <i>Fraxinus excelsior</i> (Common Ash) | 265mm Ø | 3.30m | Height Overall | 12.0m | N 3.0m | E 5.5m | Early | 40 + yrs | Good | Good | Ash tree with a single stem which leans to the south - lump of historical embedded metal, the tree is used as a support for a clothes washing line. | C | 1 | Retain |
| | | | | Clear Stem Ht. | 6.0m | S 5.5m | W 4.0m | Mature | | | | | | | |
| T 04 | <i>Pittosporum sp.</i> | 185mm Ø [Avg. / Est.] | 2.10m | Height Overall | 5.0m | N 1.0m | E 1.0m | Early | 40 + yrs | Good | Good | Ornamental, evergreen, multi-stemmed large shrub / small tree specimen adjacent to a timber Summer House / Home Office building. | C | 1 | Retain |
| | | | | Clear Stem Ht. | 1.0m | S 3.5m | W 1.0m | Mature | | | | | | | |
| T 05 | <i>Fagus sylvatica</i> (Beech) | 705mm Ø [Avg.] | 8.40m | Height Overall | 14.0m | N 5.0m | E 5.0m | Early | 40 + yrs | Good | Good | Early mature Beech tree overshadowing T 04 with 3 no. co-dominant stems - two of which are joined with a poor union [included bark]. The tree lies adjacent to a timber Summer House / Home Office building. | B | 1 | Retain |
| | | | | Clear Stem Ht. | 4.0m | S 7.50m | W 7.0m | Mature | | | | | | | |

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|-----------------|---|---------------------------------|----------------------------------|-----------------|----------------|--|-----------------|-----------------------------|------|---------------|---|------------------|----------|--------|
| | | | | Overall | Clear Stem Ht. | N | E | S | W | | | | | |
| T 06 | <i>Fagus sylvatica</i> (Beech) | 470mm Ø [Est. / Avg.] | 5.70m | 12.0m | 4.0m | N 6.0m E 6.0m S 6.0m W 6.0m | Early Mature | 40 + yrs | Good | Good | Beech within a dense Yew hedgerow [limiting measurement / full visual inspection]. 2 no stems with one slightly more dominant - poor union with some included bark. [Tree not included within measured survey - location to be regarded as indicative.] | B | 1 | Retain |
| H 07 | <i>Taxus baccata</i> [Yew] | 75mm Ø [Est. / Avg.] | 0.90m | 2.0m | 0.50m | N 1.0m E 1.0m S 1.0m W 1.0m | Early Mature | 40 + yrs | Good | Good | Dense and well maintained Yew hedgerow to garden boundary edge. | B | 1 | Retain |
| H 08 | <i>Ligustrum ovalifolium</i> [Privet] | 75mm Ø [Est. / Avg.] | 0.90m | 3.0m | 0.50m | N 1.0m E 1.0m S 1.0m W 1.0m | Early Mature | 40 + yrs | Good | Good | Dense hedgerow - predominately Privet with some ivy throughout. Offering good screening to neighbouring land. | B | 1 | Retain |
| T 09 | <i>Prunus sp.</i> (Cherry) | 400mm Ø [Est.] | 4.80m | 6.0m | 4.0m | N 4.50m E 4.50m S 4.50m W 4.50m | Early Mature | 40 + yrs | Good | Good | Single Stemmed Cherry tree to the boundary - partly within hedgerow [limiting access for measurement / full visual inspection]. | B | 1 | Retain |
| T 10 | <i>Fagus sylvatica</i> (Beech) | 370mm Ø [Est. / Avg.] | 4.50m | 6.0m | 2.0m | N 3.50m E 3.50m S 2.0m W 3.50m | Early Mature | 40 + yrs | Good | Good | Beech tree within hedgerow - 3 stems from 1.0m height approx with 1 no. subsidiary. Historical pollarding with vigorous regenerative growth. | C | 1 | Retain |
| H 11 | × <i>Cuprocyparis leylandii</i> [Leyland Cypress] | 75mm Ø [Est. / Avg.] | 0.90m | 2.0m | 0.5m | N 1.0m E 1.0m S 1.0m W 1.0m | Early Mature | 40 + yrs | Good | Good | Dense evergreen hedgerow to open lawn boundary edge. | B | 1 | Retain |

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|-----------------|--|---------------------------------|----------------------------------|-----------------|----------------|-----------------|------|-----------------------------|----------|---------------|--------|---|----------|---|--------|
| | | | | Overall | Clear Stem Ht. | N | E | Semi-Mature | 40 + yrs | | | | B | 1 | |
| SG 12 | Mixed Shrubs inc: <i>Calluna sp.</i> <i>Chamaecyparis sp.</i> <i>Lavandula sp.</i> <i>Rosmarinus sp.</i> | 75mm Ø [Est. / Avg.] | 0.90m | Height Overall | 1.0-3.0m | N | 7.0m | Semi-Mature | 40 + yrs | Good | Good | Ornamental shrub bed adjacent to loose gravel access / drive | C | 1 | Retain |
| | | | | Clear Stem Ht. | 0.25m | S | 7.0m | | | | | | | | |
| H 13 | × <i>Cuprocyparis leylandii</i> [Leyland Cypress] | 75mm Ø [Est. / Avg.] | 0.90m | Height Overall | 3.0-4.0m | N | 1.0m | Semi-Mature | 40 + yrs | Good | Good | Dense evergreen hedgerow providing all year round screening to adjacent property. | B | 1 | Retain |
| | | | | Clear Stem Ht. | 0.25m | S | 1.0m | | | | | | | | |

| CASCADE CHART FOR TREE QUALITY ASSESSMENT (BS5837 Trees in relation to design, demolition and construction – Recommendations) | | |
|---|--|--|
| TREES UNSUITABLE FOR RETENTION | | |
| Category U: Trees 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"> • <i>Trees that have a serious, irremediable structural defect such that early loss is expected due to collapse;</i> • <i>Trees that are dead or showing signs of significant, immediate and irreversible decline;</i> • <i>Trees infected with pathogens of significance to health and / or safety of other trees nearby;</i> • <i>Trees of very low quality suppressing adjacent trees of better quality;</i> • <i>Trees that would be unviable after the removal of other, adjacent trees for the reasons above.</i> | | |
| TREES TO BE CONSIDERED FOR RETENTION | | |
| 1. Mainly arboricultural qualities | 2. Mainly landscape qualities | 3. Mainly cultural values including conservation |
| Category A: Trees of high quality (with an estimated remaining life expectancy of at least 40 years) | | |
| <ul style="list-style-type: none"> • <i>Trees that are particularly good examples of their species (especially if rare or unusual);</i> • <i>Trees which are essential components of groups of trees or formal / semi-formal arboricultural features.</i> | <ul style="list-style-type: none"> • <i>Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features.</i> | <ul style="list-style-type: none"> • <i>Trees, groups or woodland of significant conservation, historical, commemorative or other value (eg. veteran trees / wood pasture).</i> |
| Category B: Trees of moderate quality (with an estimated remaining life expectancy of at least 20 years) | | |
| <ul style="list-style-type: none"> • <i>Trees that might be included in the higher category, but because of impaired condition (eg. significant but remediable defects / unsympathetic historical management / storm damage) are downgraded;</i> • <i>Trees lacking the special quality to merit Category A designation.</i> | <ul style="list-style-type: none"> • <i>Trees present in numbers (groups or woodlands) such that they attract a higher collective rating than as individuals;</i> • <i>Groups of trees whose location mean they make little visual contribution to the wider locality.</i> | <ul style="list-style-type: none"> • <i>Trees with material conservation or other cultural value.</i> |
| Category C: Trees of low quality (with an estimated remaining life expectancy of at least 10 years or young trees with a stem diameter below 150mm) | | |
| <ul style="list-style-type: none"> • <i>Unremarkable trees of very limited merit or such impaired condition that they do not qualify for the higher categories.</i> | <ul style="list-style-type: none"> • <i>Trees present in groups or woodlands without offering significant landscape value;</i> • <i>Trees offering low or temporary / transient landscape benefits.</i> | <ul style="list-style-type: none"> • <i>Trees with no material conservation or other cultural value.</i> |

Protection and Retention of Existing Vegetation

The Contractor is to exercise extreme care when undertaking operations below the canopy of existing trees / vegetation and within the specified Root Protection Areas designated for protection and at all times avoid damage to the roots, trunk and existing tree architecture.

Any excavations, cultivation and grading below the canopy of existing trees and within the specified Root Protection Areas of the existing trees / vegetation is to be carried out using hand tools only, taking great care not to damage or disturb any existing tree roots.

Tree roots measuring <25mm may be severed using specialist hand tools only and to the absolute minimum extent required - wherever possible tree roots must be left intact. Exposed roots should be immediately wrapped in dry hessian sacking or coconut matting in order to prevent drying and as a temporary measure can be surrounded with a loose granular fill prior to backfilling with the excavated topsoil.

All trees to be retained on site are to be protected with fencing erected around the area of vegetation in accordance with the guidelines as laid out in BS 5837: 2012; 'Trees in Relation to Design, Demolition and Construction - Recommendations' and as shown. The fencing is to be installed and maintained during the entire construction program by the contractor who will be responsible for ensuring the area below the canopy of existing trees and within the specified Root Protection Areas is protected at all times.

The installed protective fencing is to be 2.0 metres height 'Heras' Welded Wire Mesh Fencing (or similar and approved) secured to a scaffolding framework, set into the existing ground and positioned to the outside edge of the existing tree Root Protection Areas as specified. All tree protection to be in accordance with BS 5837:2012 - 'Trees in Relation to Design, Demolition, and Construction recommendations'. The fencing is to be fixed securely and where possible attached to fences, walls, knee rails etc to ensure a robust temporary fenceline and a completely protected area.

Day-glo ribbons or similar are to be attached to the top of the fencing to ensure it is clearly visible and these will be maintained for the entirety of the construction program by the main contractor. Fencing will enclose the full tree root protection areas as specified and generally 1.5m to either side of any hedge.

All tree protection fencing is to be maintained for the full contract period. All excavations, earthworks and cultivation within the specified tree root protection areas and below the canopy spread of any existing tree; shrub or hedge will be undertaken with hand tools only. Repositioning of the protective fencing during the course of the construction works as the contract works progress will be with the approval of the Landscape Architect.

following the completion of the construction works, the Contractor will remove all temporary protective fencing from the site. All retained vegetation is to be healthy and thriving at the handover date.

- Within the specified tree root protection area the following activities must not take place;
- No vehicles are to be used in the fenced off areas;
 - No materials are to be stockpiled or stored;
 - No chemicals are to be stored;
 - No excavation / increase in soil levels will occur;
 - No fires shall be lit on site.

Lifting of Existing Hard Surfaced Areas

Where possible, existing hard surfacing within tree root protection areas are to be left in place during the construction phase.

The removal of all existing hard surface layer within designated tree root protection areas should be undertaken taking care to ensure the existing tree roots remain undamaged. Any operations should be undertaken manually and with hand tools (suitable machinery may be used in consultation with the arboriculture consultant) and should be accomplished by working backwards to ensure the resulting, exposed ground is not compacted.

Tree Surgery

Any significant defects found in the trees during the course of the scheduled work to be reported to the Landscape Architect. All work is to be undertaken by an approved and qualified tree surgeon in accordance with BS 3998: 2010 - Tree Surgery. Great care is to be taken to avoid damage to neighbouring trees which are to be retained. Branches in confined spaces are to be removed in sections. All arisings are to be transported and disposed of away from site.

Tree and Vegetation Management

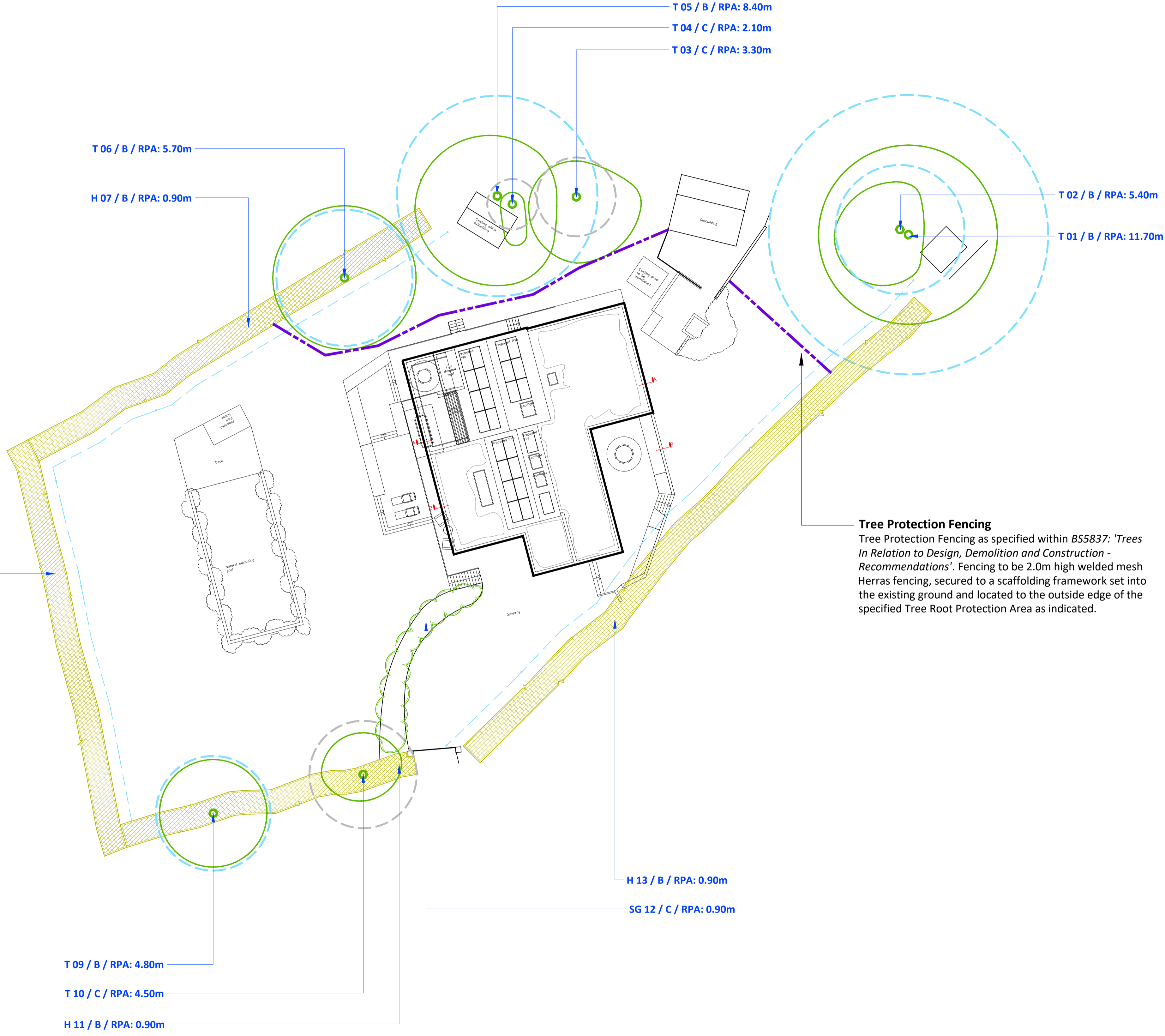
For Tree and Vegetation Retention and Removal Proposals refer to the attached Existing Tree Schedule and Schedule of Tree Works. For any tree and vegetation management proposals refer to the Tree Surgery contained within the Existing Tree Schedule.

Manual Dig

All excavation operations within designated RPAs are to be undertaken manually with hand tools (or air spade) in order to protect existing tree roots and to be in accordance with BS 5837: 2012 - 'Trees in Relation to Design, Demolition and Construction'. No machinery is to be used within designated TRPAs.

Phasing

- The proposed construction phasing is to be as follows:
- Temporary tree protection fencing is to be erected as shown and to remain in place for the duration of all construction site activities;
 - Construction Phase;
 - Temporary fencing to be removed.



Tree Protection Fencing
Tree Protection Fencing as specified within BS5837: 'Trees In Relation to Design, Demolition and Construction - Recommendations'. Fencing to be 2.0m high welded mesh Heras fencing, secured to a scaffolding framework set into the existing ground and located to the outside edge of the specified Tree Root Protection Area as indicated.

KEY

- Existing Residential Dwelling (Badan Lodge) to be Extended / refurbished [Refer to BakerBrown Architects drawings for further details]
- Tree No. / Category / Tree Root Protection Area
- Existing Trees Proposed to be Retained Existing trees to be retained and protected within the proposed development scheme.
- Existing Hedgerows to be Retained Existing boundary hedgerows to be retained and protected within the proposed development scheme.
- Existing Shrubs to be Retained Existing ornamental shrubs to be retained and protected within the proposed development scheme.
- Category A Trees Existing trees (root protection areas) assessed to be 'Category A': high quality and value.
- Category B Trees Existing trees (root protection areas) assessed to be 'Category B': moderate quality and value
- Category C Trees Existing trees (root protection areas) assessed to be 'Category C': low quality and value
- Tree Protection Fencing Tree Protection Fencing as specified within BS5837: 'Trees In Relation to Design, Demolition and Construction - Recommendations'. Fencing to be 2.0m high welded mesh Heras fencing, secured to a scaffolding framework set into the existing ground and located to the outside edge of the specified Tree Root Protection Area as indicated.

NOTES
All tree surgery works are to be carried out by an appropriately qualified tree surgeon to BS 3998: 2010; Tree Surgery.
Refer to accompanying Tree Schedule for further details.
The original of this drawing was produced in colour - a monochrome copy should not be relied upon.
The information contained within this drawing and accompanying Existing Tree Schedule is not intended as a safety audit and should not be interpreted as such.

| REV | DESCRIPTION | DATE | INITIALS |
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Project Title:
Badan Lodge, Cuifail, Lewes
Mr. & Mrs. Tribe
Drawing Title:
Tree Protection Drawing

| | | |
|--------------------------------|-----------------|-------------------|
| Scale: 1:200@A1 | Drawn: AR | Date: 21-12-22 |
| Drawing Number: RC0462 / 01 | Revision: 00 | |