

# Arboricultural Impact Assessment

Project: Extension at Siddows Hall,  
Clitheroe

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# Contents

|                                     |         |
|-------------------------------------|---------|
| Tree location plan.....             | Sheet 1 |
| Tree constraints plan with AIA..... | Sheet 2 |
| Tree protection plan with AMS.....  | Sheet 3 |
| Appendix 1      Tree Schedule       |         |
| Appendix 2      Images              |         |

# TREE LOCATION PLAN

## Siddows Hall, Henthorn Road, Clitheroe

### Survey methodology

The site was surveyed by Jon Oliver on 26/5/20 using the supplied site plan. Tree heights were estimated, measurements of diameter at breast height (DBH) taken at 1.5m height and crown spread was taken by ground measurements. The survey was completed in accordance with BS5837 (2012) Trees in relation to design, demolition and construction - Recommendations.

All surveying of tree stock on the site was carried out visually from the ground only. Where ivy cover is encountered on trees, then only limited visual checking of structure and potential defects is possible.

Weather was clear and calm. There were no constraints to completing a thorough survey.

The location of the tree stock is as indicated on the supplied site plan.

Only those trees potentially affected by the development were surveyed.

Any trees that may require removal to facilitate the development are indicated on both the tree constraints plan and tree protection plan.

Details regarding tree stock are recorded in the tree schedule and additional information is included in the impact assessment and by annotation on the tree constraints plan. A selection of images are included as an appendix.

Where rooting zones are constrained by features such as walls, level changes or compacted ground the root protection area (RPA) position is estimated by plotting as a polygon of equivalent area or, where relevant, the maximum extent of the RPA is indicated and annotated.

This survey is not a tree hazard survey and is solely for the purpose of informing design for planning purposes. Any work recommendations are in the interest of best arboricultural practice. However, if any tree which is presenting a danger is identified the client will be informed as soon as possible.

**Conservation area:** The property does not lie within the Clitheroe conservation area.

**Tree preservation orders:** No information was provided regarding any tree preservation orders. Confirmation will need to be sought from the Ribbles Valley Borough Council planning department.

**Proposed development:** Construction of an extension to the existing property.

**Tree stock:** The garden area has many mature trees, mostly positioned on the boundary as indicated. Collectively they are of a greater value than they otherwise would be as individual trees.

Due to the age class of the trees and the apparent absence of effective management in the past many of the trees will require monitoring for decay and pruning works to aid their safe, useful retention.

Information regarding tree condition and work recommendations is included in the tree schedule and is included in the interests of best arboricultural practice irrespective of any development works.

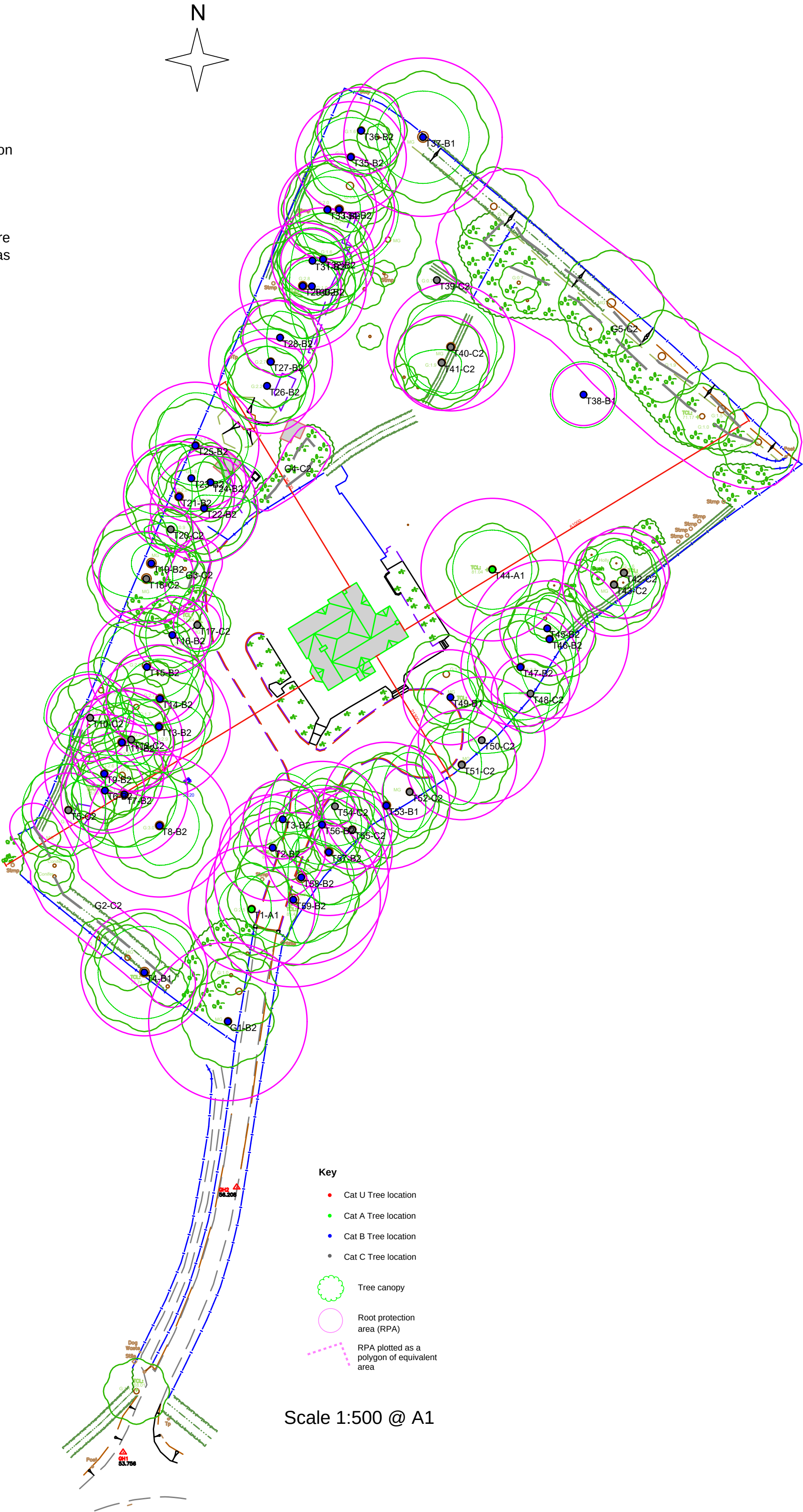


Table 1 Cascade chart for tree quality assessment

| Category and definition                                                                                                                                                   | Criteria (including subcategories where appropriate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Identification on plan                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Trees unsuitable for retention</b> (see Note)                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                   |
| <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>1 Mainly arboricultural qualities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>2 Mainly landscape qualities</b>                                                                                                                                                                                                                               |
| <b>Trees to be considered for retention</b>                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>3 Mainly cultural values, including conservation</b>                                                                                                                                                                                                           |
| <b>Category A</b><br>Trees of high quality 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 particular visual importance as arboricultural and/or landscape features                                                                                                                                                            |
| <b>Category B</b><br>Trees of moderate quality 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 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>Category C</b><br>Trees of low quality 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 material conservation or other cultural value                                                                                                                                                                                                          |

BRITISH STANDARD

BS 5837:2012

### Tree Schedule

|     | Species                                                                                                                                                                                                                                                                                                                 | Age | DBH   | Height | 1stB | N | E | S  | W | Cond         | Life Exp | Comments                                                                                                                                                      | Work recommendations                                              | RPR  | RPA    | Category |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|--------|------|---|---|----|---|--------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------|--------|----------|
| G1  | Ilex aquifolium (Holly), Cypress sp, Acer pseudoplatanus (Sycamore), Crataegus monogyna (Hawthorn)                                                                                                                                                                                                                      | M   | <1000 | <14    | <5   |   |   |    |   | Good         | 20+      | Rooting zone confined by drive. Ivy. Canopy spread as indicated on site plan.                                                                                 |                                                                   | 12   | 452.45 | B2       |
| T1  | Tilia X europaea (Common Lime)                                                                                                                                                                                                                                                                                          | M   | 800   | 22     | 6    | 5 | 3 | 4  | 5 | Good         | 20+      | Rooting zone confined by drive. Epicormic growth at base of stem. Form typical of species.                                                                    |                                                                   | 9.6  | 289.57 | A1       |
| T2  | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 670   | 18     | 4    | 7 | 4 | 3  | 5 | Good         | 20+      | Rooting zone confined by drive. Ivy. Epicormic growth at base of stem.                                                                                        |                                                                   | 8.04 | 203.1  | B2       |
| T3  | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 500   | 16     | 4    | 7 | 6 | 2  | 2 | Good         | 20+      | Rooting zone confined by drive. Epicormic growth at base of stem. Small diameter deadwood.                                                                    |                                                                   | 6    | 113.11 | B2       |
| T4  | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 800   | 14     | 3    | 7 | 7 | 7  | 7 | Good         | 20+      | Dense ivy.                                                                                                                                                    | Sever ivy if desired.                                             | 9.6  | 289.57 | B1       |
| G2  | Crataegus monogyna (Hawthorn), Ilex aquifolium (Holly), Cypress sp, Alnus glutinosa (Common Alder), Corylus avellana (Hazel), Sambucus nigra (Elder)                                                                                                                                                                    | M   | <300  | <6     |      |   |   |    |   | Good         | 20+      | Dense ivy. Boundary group. Canopy spread as indicated on site plan.                                                                                           |                                                                   | 3.6  | 40.72  | C2       |
| T5  | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | M   | 470   | 12     | 4    | 7 | 2 | 7  | 7 | Good         | 20+      | Crown previously suppressed by now severed ivy.                                                                                                               |                                                                   | 5.64 | 99.95  | C2       |
| T6  | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 500   | 16     | 7    | 2 | 0 | 6  | 6 | Good         | 20+      |                                                                                                                                                               |                                                                   | 6    | 113.11 | B2       |
| T7  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 800   | 18     | 4    | 5 | 8 | 8  | 8 | Good         | 20+      | Large wound from failed limb on lowest branch.                                                                                                                |                                                                   | 9.6  | 289.57 | B2       |
| T8  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 900   | 20     | 8    | 6 | 6 | 6  | 4 | Good         | 20+      | Pruning wounds on stem.                                                                                                                                       |                                                                   | 10.8 | 366.48 | B2       |
| T9  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 750   | 16     | 4    | 8 | 2 | 2  | 5 | Good         | 20+      |                                                                                                                                                               |                                                                   | 9    | 254.5  | B2       |
| T10 | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | M   | 550   | 16     | 5    | 7 | 5 | 3  | 7 | Good         | 20+      | Leaning North-West.                                                                                                                                           |                                                                   | 6.6  | 136.87 | C2       |
| T11 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 650   | 18     | 6    | 6 | 4 | 2  | 8 | Good         | 20+      | Basal decay. Good reaction wood.                                                                                                                              | Monitor decay.                                                    | 7.8  | 191.16 | B2       |
| T12 | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | M   | 650   | 22     | 12   | 4 | 4 | 4  | 4 | Good         | 20+      | Leaning East.                                                                                                                                                 |                                                                   | 7.8  | 191.16 | C2       |
| T13 | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 900   | 20     | 6    | 4 | 7 | 7  | 5 | Good         | 20+      | Leaning East. Pruning wounds on stem.                                                                                                                         |                                                                   | 10.8 | 366.48 | B2       |
| T14 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 680   | 18     | 7    | 6 | 6 | 4  | 6 | Good         | 20+      | Leaning East.                                                                                                                                                 |                                                                   | 8.16 | 209.21 | B2       |
| T15 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 740   | 18     | 4    | 7 | 7 | 5  | 7 | Good         | 20+      |                                                                                                                                                               |                                                                   | 8.88 | 247.76 | B2       |
| T16 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 480   | 14     | 5    | 6 | 6 | 6  | 4 | Good         | 20+      | Small diameter deadwood.                                                                                                                                      |                                                                   | 5.76 | 104.24 | B2       |
| T17 | Salix caprea (Goat Willow)                                                                                                                                                                                                                                                                                              | EM  | 300   | 12     | 4    | 6 | 4 | 4  | 3 | Good         | 20+      | Rooting zone confined by hardstanding. Secondary stem removed.                                                                                                |                                                                   | 3.6  | 40.72  | C2       |
| G3  | Crataegus monogyna (Hawthorn), Prunus laurocerasus (Cherry Laurel)                                                                                                                                                                                                                                                      | M   | <300  | <6     |      |   |   |    |   | Fair         | 20+      | Rooting zone confined by hardstanding. Overstood group. Historically poorly maintained. Hawthorn leaning to East. Canopy spread as indicated on site plan.    |                                                                   | 3.6  | 40.72  | C2       |
| T18 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 600   | 14     | 5    | 7 | 4 | 3  | 7 | Fair         | 20+      | Ivy. Stem divides below 1.5m. Dense ivy. Small diameter deadwood.                                                                                             |                                                                   | 7.2  | 162.88 | C2       |
| T19 | Quercus robur (Common Oak)                                                                                                                                                                                                                                                                                              | M   | 743   | 14     | 3    | 3 | 7 | 3  | 3 | Good         | 20+      | Dense ivy.                                                                                                                                                    |                                                                   | 8.92 | 250    | B2       |
| T20 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | EM  | 280   | 14     | 5    | 1 | 1 | 4  | 4 | Fair         | 20+      | Dense ivy. Crown suppressed by ivy.                                                                                                                           | Sever ivy.                                                        | 3.36 | 35.47  | C2       |
| T21 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 700   | 14     | 2    | 8 | 2 | 3  | 8 | Good         | 20+      | Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                                                                                                  | Sever ivy.                                                        | 8.4  | 221.7  | B2       |
| T22 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 680   | 14     | 4    | 2 | 8 | 8  | 2 | Good         | 20+      | Rooting zone confined by hardstanding. Leaning East. Dense ivy. Crown suppressed by ivy. Rubble within RPA.                                                   | Sever ivy and reinspect.                                          | 8.16 | 209.21 | B2       |
| T23 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 550   | 14     | 10   | 5 | 5 | 5  | 5 | Good         | 20+      | Dense ivy. Crown suppressed by ivy.                                                                                                                           | Sever ivy and reinspect.                                          | 6.6  | 136.87 | B2       |
| T24 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 450   | 14     | 3    | 4 | 8 | 4  | 2 | Good         | 20+      | Leaning East. Epicormic growth at base of stem. Dense ivy.                                                                                                    | Sever ivy and reinspect.                                          | 5.4  | 91.62  | B2       |
| T25 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 800   | 12     | 2    | 8 | 8 | 6  | 6 | Good         | 20+      | Ivy. Epicormic growth at base of stem. Small diameter deadwood. Fire damage on East crown. Unmaintained group. Canopy spread as indicated on site plan.       |                                                                   | 9.6  | 289.57 | B2       |
| G4  | Sambucus nigra (Elder), Snowberry, Catonastia, Berberis                                                                                                                                                                                                                                                                 | M   | <150  | <4     |      |   |   |    |   | Fair         | 20+      |                                                                                                                                                               |                                                                   | 1.8  | 10.18  | C2       |
| T26 | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | M   | 600   | 16     | 10   | 6 | 6 | 6  | 6 | Good         | 20+      |                                                                                                                                                               |                                                                   | 7.2  | 162.88 | B2       |
| T27 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 780   | 16     | 3    | 5 | 5 | 7  | 7 | Good         | 20+      | Stem divides above 1.5m. Small diameter deadwood. Fire damage to West of crown.                                                                               |                                                                   | 9.36 | 275.27 | B2       |
| T28 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | EM  | 470   | 12     | 2    | 4 | 4 | 6  | 2 | Good         | 20+      |                                                                                                                                                               |                                                                   | 5.64 | 99.95  | B2       |
| T29 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 800   | 14     | 3    | 8 | 8 | 8  | 2 | Good         | 20+      | Heavily pruned to West of crown.                                                                                                                              |                                                                   | 9.6  | 289.57 | B2       |
| T30 | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | EM  | 370   | 14     | 10   | 4 | 4 | 4  | 4 | Good         | 20+      |                                                                                                                                                               |                                                                   | 4.44 | 61.94  | B2       |
| T31 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | EM  | 400   | 10     | 3    | 5 | 5 | 5  | 5 | Good         | 20+      |                                                                                                                                                               |                                                                   | 4.8  | 72.39  | B2       |
| T32 | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | M   | 650   | 14     | 7    | 7 | 7 | 7  | 7 | Good         | 20+      | Medium diameter deadwood.                                                                                                                                     |                                                                   | 7.8  | 191.16 | B2       |
| T33 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 620   | 15     | 6    | 5 | 5 | 5  | 5 | Good         | 20+      |                                                                                                                                                               |                                                                   | 7.44 | 173.92 | B2       |
| T34 | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | M   | 700   | 18     | 10   | 6 | 9 | 9  | 6 | Good         | 20+      | Leaning South-East.                                                                                                                                           |                                                                   | 8.4  | 221.7  | B2       |
| T35 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 700   | 12     | 5    | 6 | 6 | 6  | 6 | Good         | 20+      | Leaning North. Stem divides above 1.5m. Basal decay. Good reaction wood.                                                                                      | Monitor decay.                                                    | 8.4  | 221.7  | B2       |
| T36 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 550   | 8      | 3    | 6 | 6 | 6  | 6 | Good         | 20+      | Leaning North.                                                                                                                                                |                                                                   | 6.6  | 136.87 | B2       |
| G5  | Fraxinus excelsior (Ash), Sambucus nigra (Elder), Prunus (Prunus species), Betula pendula (Silver Birch), Fagus sylvatica 'Purpurea' (Copper Beech), Prunus laurocerasus (Cherry Laurel), Aesculus hippocastanum (Horse Chestnut), Crataegus monogyna (Hawthorn), Prunus spinosa (Blackthorn), Corylus avellana (Hazel) | M   | <600  | <16    |      |   |   |    |   | Poor to Good | 20+      | Boundary group. 1 x partially failed Ash stem. Will require on going maintenance works to manage poor quality trees. Canopy spread as indicated on site plan. |                                                                   | 7.2  | 162.88 | C2       |
| T38 | Prunus (Prunus species)                                                                                                                                                                                                                                                                                                 | M   | 390   | 5      | 2    | 5 | 5 | 5  | 5 | Good         | 20+      | Grafted ornamental cherry.                                                                                                                                    |                                                                   | 4.68 | 68.82  | B1       |
| T39 | Malus (Apple)                                                                                                                                                                                                                                                                                                           | M   | 250   | 8      | 2    | 3 | 3 | 3  | 3 | Good         | 20+      |                                                                                                                                                               |                                                                   | 3    | 28.28  | C2       |
| T40 | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | M   | 806   | 18     | 5    | 7 | 7 | 7  | 7 | Fair         | 20+      | Stem divides at ground level. Small diameter deadwood. Die-back in tips.                                                                                      | Monitor vigour. Reinspect for ash die-back in summer.             | 9.67 | 293.8  | C2       |
| T41 | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | M   | 600   | 18     | 3    | 2 | 3 | 5  | 5 | Fair         | 20+      | Stem divides above 1.5m. Die-back in tips.                                                                                                                    | Monitor vigour. Reinspect for ash die-back in summer.             | 7.2  | 162.88 | C2       |
| T42 | Fagus sylvatica 'Purpurea' (Copper Beech)                                                                                                                                                                                                                                                                               | EM  | 570   | 14     | 3    | 5 | 5 | 5  | 5 | Fair         | 10+      | Low vigour. Small diameter deadwood.                                                                                                                          | Monitor vigour.                                                   | 6.84 | 147    | C2       |
| T43 | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 650   | 14     | 3    | 5 | 3 | 5  | 6 | Good         | 20+      | Stem divides below 1.5m. Included union.                                                                                                                      |                                                                   | 7.8  | 191.16 | C2       |
| T44 | Tilia X europaea (Common Lime)                                                                                                                                                                                                                                                                                          | M   | 900   | 22     | 6    | 6 | 6 | 6  | 6 | Good         | 20+      | Epicormic growth on stem. Small diameter deadwood. Form typical of species                                                                                    |                                                                   | 10.8 | 366.48 | A1       |
| T45 | Tilia cordata (Small-leaved Lime)                                                                                                                                                                                                                                                                                       | M   | 600   | 18     | 7    | 5 | 4 | 2  | 2 | Good         | 20+      | Epicormic growth on stem. Small diameter deadwood.                                                                                                            |                                                                   | 7.2  | 162.88 | B2       |
| T46 | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 1000  | 18     | 7    | 4 | 4 | 10 | 5 | Good         | 20+      | Exposed wood on main stem. large diameter previously failed limb at 7m.                                                                                       | Monitor for bleeding canker of horse chestnut. Monitor for decay. | 12   | 452.45 | B2       |
| T47 | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 750   | 18     | 6    | 8 | 8 | 8  | 8 | Good         | 20+      | Medium diameter deadwood. Stubs from failed limbs.                                                                                                            | Monitor for decay                                                 | 9    | 254.5  | B2       |
| T48 | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | EM  | 495   | 16     | 6    | 0 | 3 | 6  | 4 | Good         | 20+      | Stem divides below 1.5m. Dense ivy. Crown suppressed by surrounding trees. Crown suppressed by ivy.                                                           | Sever ivy.                                                        | 5.94 | 110.86 | C2       |
| T49 | Taxus baccata (Yew)                                                                                                                                                                                                                                                                                                     | M   | 600   | 10     | 3    | 4 | 4 | 4  | 4 | Good         | 20+      | Rooting zone confined by hardstanding.                                                                                                                        |                                                                   | 7.2  | 162.88 | B1       |
| T50 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 800   | 14     | 3    | 6 | 6 | 2  | 2 | Good         | 20+      | Rooting zone confined by hardstanding. Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                                                           | Sever ivy and reinspect.                                          | 9.6  | 289.57 | C2       |
| T51 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 693   | 12     |      | 5 | 3 | 6  | 6 | Good         | 20+      | Rooting zone confined by hardstanding. Multiple stems below 1.5m. Dense ivy. Crown suppressed by ivy.                                                         | Sever ivy and reinspect.                                          | 8.32 | 217.5  | C2       |
| T52 | Prunus laurocerasus (Cherry Laurel)                                                                                                                                                                                                                                                                                     | M   | 346   | 8      |      | 6 | 4 | 6  | 4 | Good         | 20+      | Rooting zone confined by hardstanding. Multiple stems at ground level. Overstood, unmaintained.                                                               |                                                                   | 4.15 | 54.11  | C2       |
| T53 | Tilia X europaea (Common Lime)                                                                                                                                                                                                                                                                                          | M   | 800   | 18     |      | 6 | 6 | 6  | 6 | Good         | 20+      | Rooting zone confined by hardstanding. Epicormic growth on stem. Small diameter deadwood. Closer inspection not possible                                      |                                                                   | 9.6  | 289.57 | B1       |
| T54 | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | EM  | 250   | 12     | 4    | 6 | 6 | 6  | 6 | Good         | 20+      | Rooting zone confined by hardstanding. Ivy.                                                                                                                   |                                                                   | 3    | 28.28  | C2       |
| T55 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 500   | 16     | 6    | 5 | 5 | 5  | 5 | Good         | 20+      | Rooting zone confined by drive. Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                                                                  | Sever ivy and reinspect.                                          | 6    | 113.11 | C2       |
| T56 | Tilia X europaea (Common Lime)                                                                                                                                                                                                                                                                                          | M   | 800   | 20     |      | 6 | 6 | 6  | 6 | Good         | 20+      | Rooting zone confined by drive. Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                                                                  | Sever ivy and reinspect.                                          | 9.6  | 289.57 | B2       |
| T57 | Acer pseudoplatanus (Sycamore)                                                                                                                                                                                                                                                                                          | M   | 800   | 20     | 10   | 5 | 8 | 8  | 5 | Good         | 20+      | Rooting zone confined by drive. Ivy.                                                                                                                          | Sever ivy and reinspect.                                          | 9.6  | 289.57 | B2       |
| T58 | Tilia X europaea (Common Lime)                                                                                                                                                                                                                                                                                          | M   | 1100  | 20     | 7    | 6 | 8 | 10 | 2 | Good         | 20+      | Rooting zone confined by drive. Ivy - recently severed                                                                                                        |                                                                   | 13.2 | 547.46 | B2       |
| T59 | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 1100  | 20     | 5    | 5 | 4 | 7  | 8 | Fair         | 20+      | Rooting zone confined by drive. Ivy - recently severed. Failed limbs on main stem at 3m. Decay cavities on main stem.                                         | Monitor decay.                                                    | 13.2 | 547.46 | B2       |

Scale 1:500 @ A1

# TREE CONSTRAINTS PLAN INCLUDING ARBORICULTURAL IMPACT ASSESSMENT

## Siddows Hall, Henthorn Road, Clitheroe

### 1. Arboricultural impact assessment:

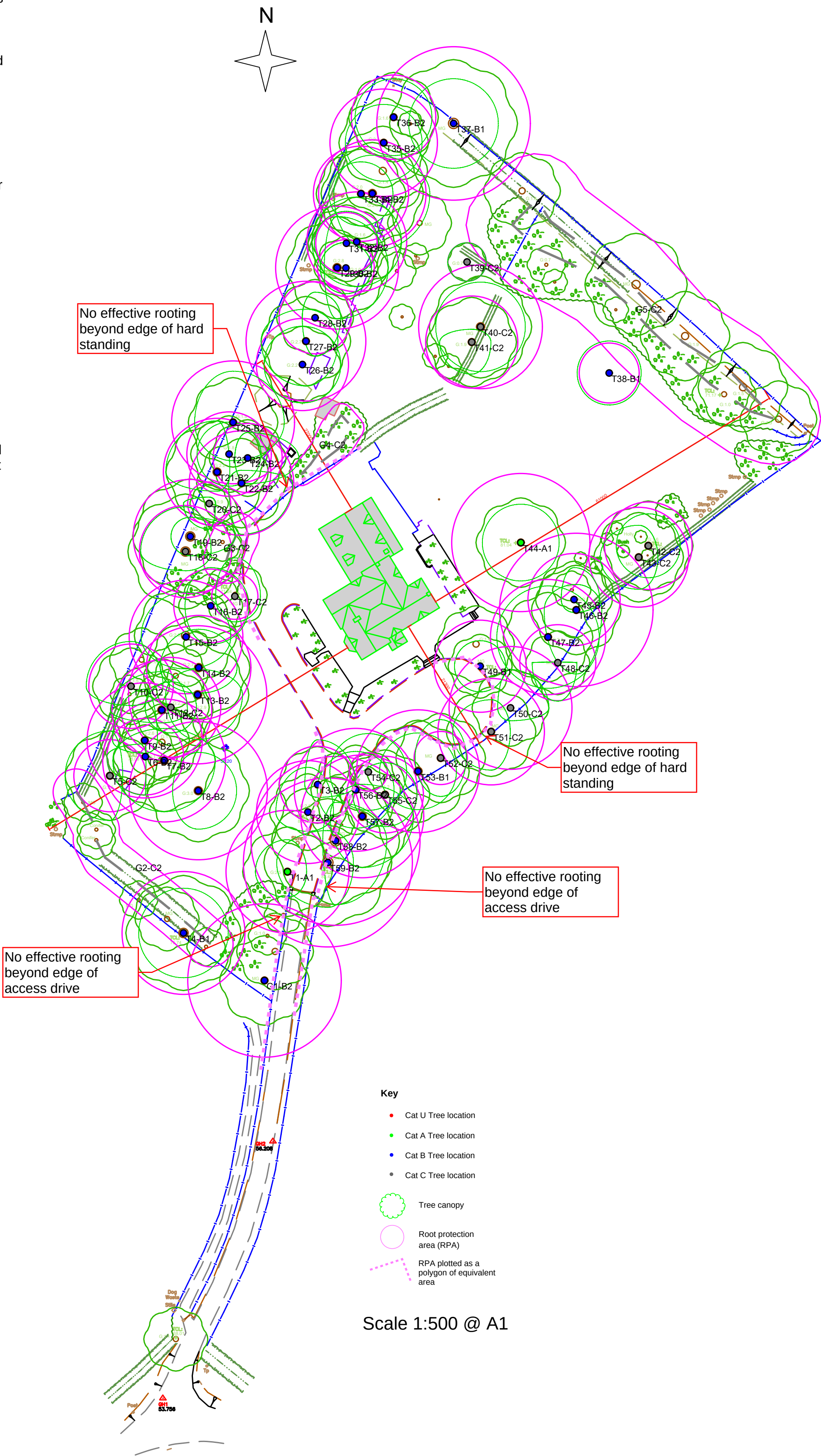
- 1.1. The proposed development is located on an existing area of hard standing and is of sufficient distance from any trees or hedges to have no direct impact on any trees or hedges in terms of both below and above ground constraints.
- 1.2. Any theoretical root protection area (RPA) that appears to extend onto the area of hard standing will in fact have been constrained by the hard standing and there will be no effective rooting in this area. The extent of the rooting zone has been indicated with a dashed pink line and annotations.
- 1.3. There is no requirement for any tree removals to take place to facilitate the proposed development.
- 1.4. There are ample areas of hard standing for the storage of materials and transfer of waste in addition to available parking for contractors vehicles.
- 1.5. There is ample canopy clearance for access by vehicles along the main drive. Any pruning that may be required would be minor and can easily be achieved without placing the trees under any stress.

### 2. Mitigation measures:

- 2.1. As no trees are to be removed and no work is required within any RPA no specialist mitigation measures are required.
- 2.2. Any tree works taking place to improve canopy clearance for site access should be carried out by a qualified and experienced arborist and should comply with BS3998 (2010) Tree Works - Recommendations.
- 2.3. Tree protection fencing should be erected as part of a tree protection plan and the arboricultural method statement including general construction guidelines should be followed (sheet 3).

### 3. Conclusion:

- 3.1. As no trees are to be removed or are implicated in any way it is my opinion that the development proposal can be accomplished without any further stress being placed on any retained trees providing the guidelines contained within the tree protection plan (sheet 3) are followed.



# TREE PROTECTION PLAN INCLUDING ARBORICULTURAL METHOD STATEMENT

## Siddows Hall, Henthorn Road, Clitheroe

### 4. Method statement to ensure adequate tree protection

- 4.1. During any approved development works it will be necessary to take appropriate measures to protect retained trees by creating a construction exclusion zone. Heras style tree protection fencing should be positioned as indicated on the tree protection plan by the purple line and signs should be affixed at regular intervals.
- 4.2. A suitable design for the tree protection fencing and signs is included on this sheet.
- 4.3. No machinery is to enter the construction exclusion zone at any time
- 4.4. No materials or waste are to be stored within the construction exclusion zone.
- 4.5. A list of general construction guidelines is detailed below.

### General construction guidelines:

- As detailed above and indicated on the tree protection plan creation of a construction exclusion zone is required for the development phase in order to protect the rooting zones of all retained trees.
- Once installed tree protection must remain in place and be observed at all times.
- No fires within 10m of the crown of any retained trees.
- Soil levels in rooting areas to be retained with minimal level changes, no greater than 300mm.
- No cement mixing/washout to take place within 15m of any retained trees.
- No chemicals, bitumen etc. to be stored within 10m of any retained trees.
- Any spillage of fuel, chemicals or contaminated water occurring within 2m of the root protection areas to be reported to the project supervisor.
- No underground services should be located within or adjacent to the RPA of retained trees.

### 5. Site specific measures

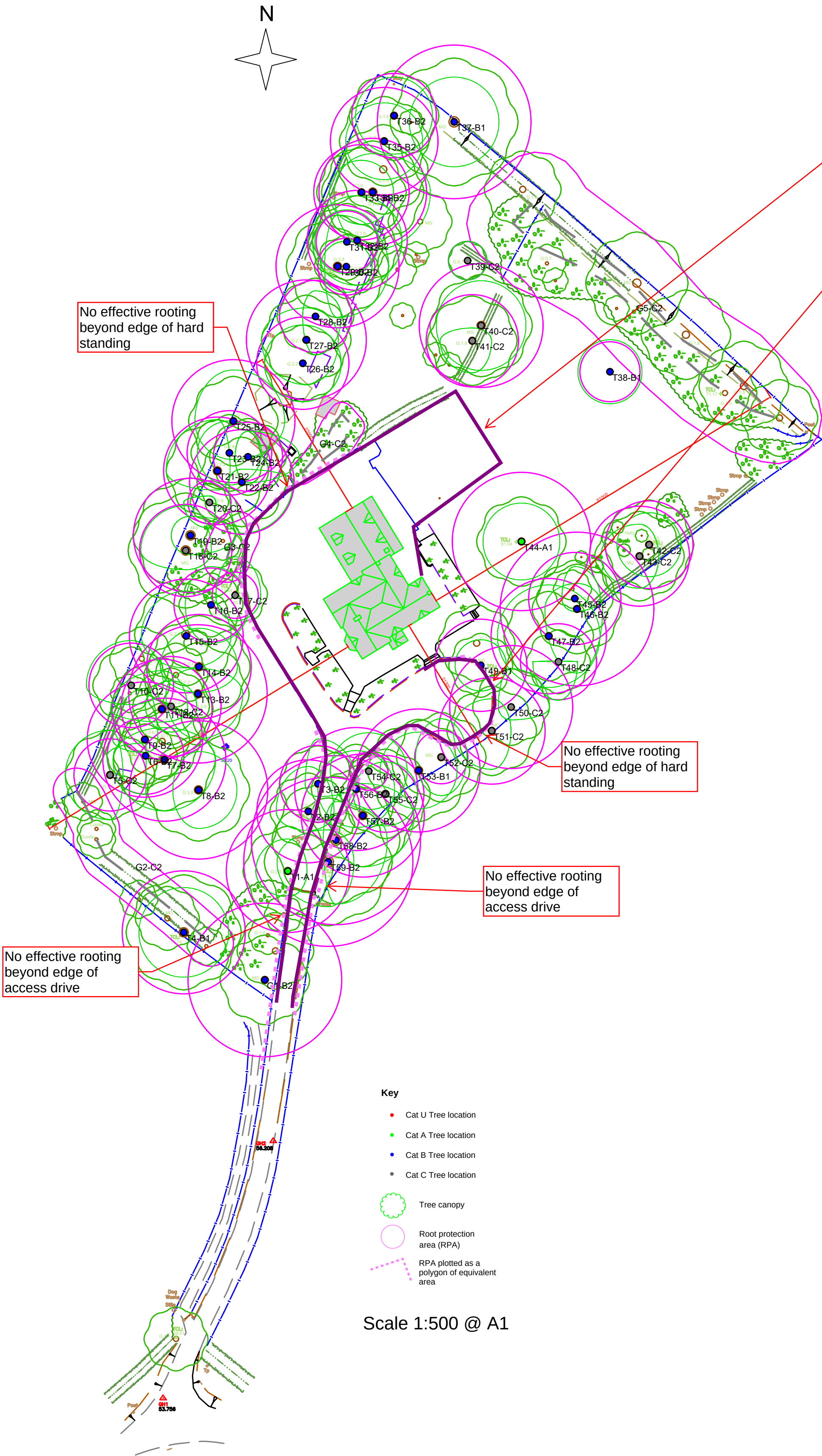
- 5.1. As no work is required within the RPA of any trees no site specific measures are required.

### 6. Tree works schedule

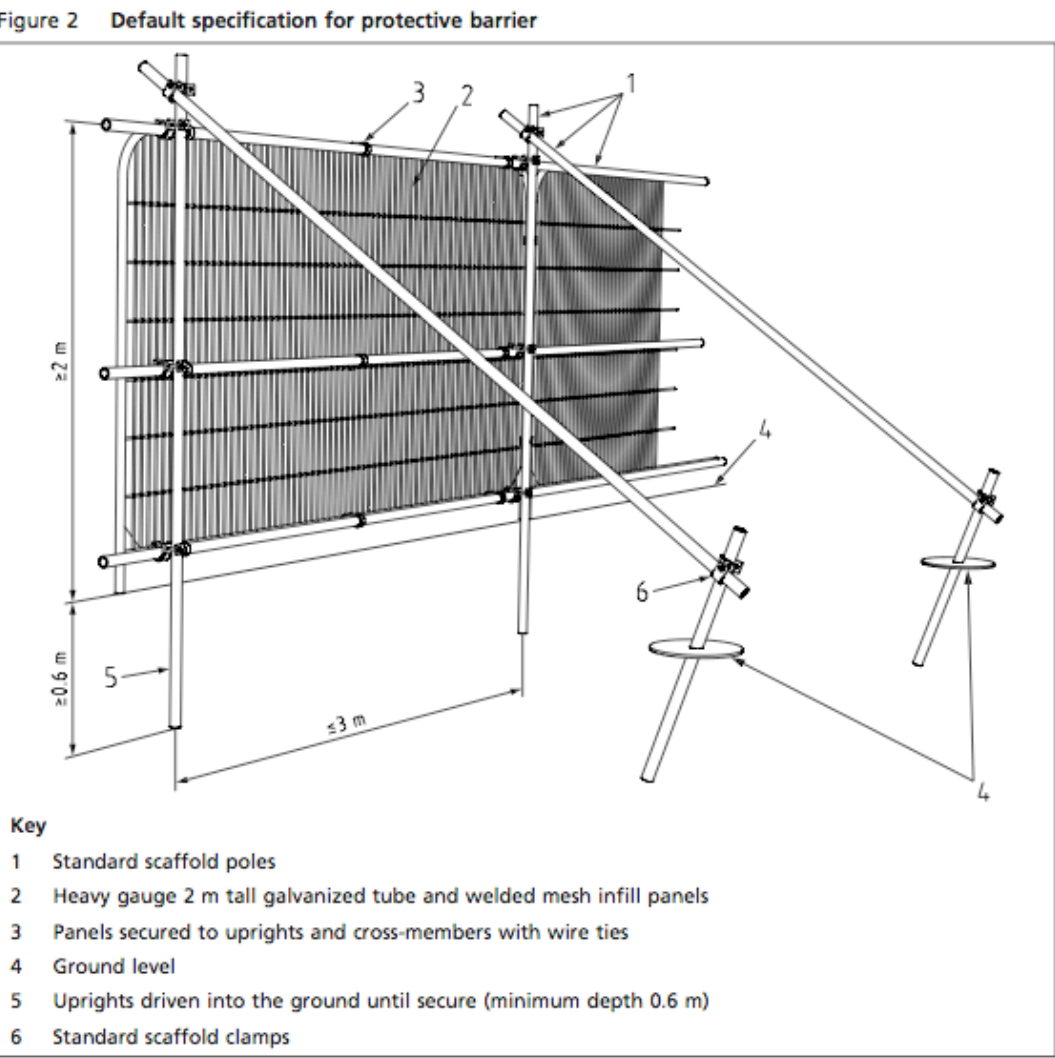
- 6.1 No tree works are scheduled to take place.

### 7. Order of works:

- 7.1. No work should take place prior to approval
- 7.2 Order of works:
- Erection of tree protection barrier
  - Construction works
  - Removal of tree protection fencing after completion of all construction activity and all materials and equipment have been removed from site

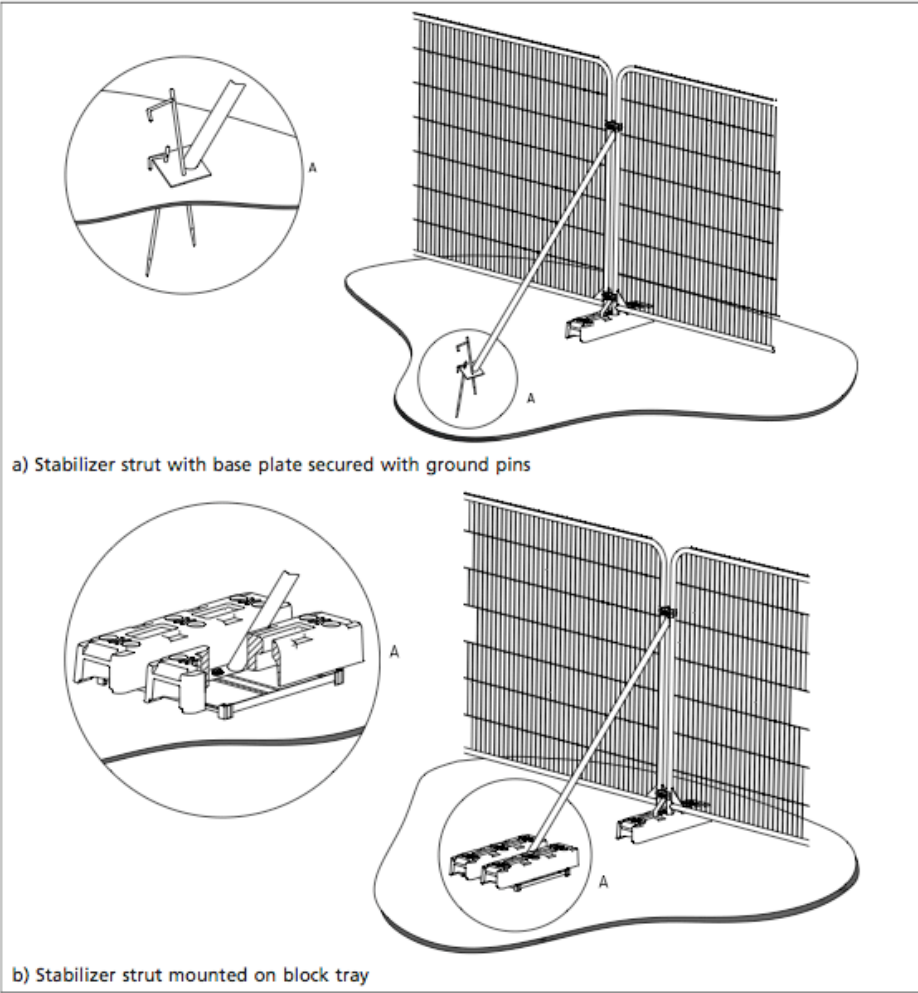


Tree Protection Barrier  
(positioned as indicated by purple line)



BRITISH STANDARD BS 5837:2012

Figure 3 Examples of above-ground stabilizing systems



Example sign to be placed at regular intervals along tree protection fencing/barrier.  
Signs should be waterproof and a minimum of A4



| Item | Species                                                                                                                                              | Age | DBH   | Height | 1stB | N | E | S | W | Cond | Life Exp | Comments                                                                                                                                                   | Work recommendations     | RPR  | RPA    | Category |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|--------|------|---|---|---|---|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------|--------|----------|
| G1   | Ilex aquifolium (Holly), Cypress sp, Acer pseudoplatanus (Sycamore), Crataegus monogyna (Hawthorn)                                                   | M   | <1000 | <14    | <5   |   |   |   |   | Good | 20+      | Rooting zone confined by drive. Ivy. Canopy spread as indicated on site plan.                                                                              |                          | 12   | 452.45 | B2       |
| T1   | Tilia X europaea (Common Lime)                                                                                                                       | M   | 800   | 22     | 6    | 5 | 3 | 4 | 5 | Good | 20+      | Rooting zone confined by drive. Epicormic growth at base of stem. Form typical of species.                                                                 |                          | 9.6  | 289.57 | A1       |
| T2   | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 670   | 18     | 4    | 7 | 4 | 3 | 5 | Good | 20+      | Rooting zone confined by drive. Ivy. Epicormic growth at base of stem.                                                                                     |                          | 8.04 | 203.1  | B2       |
| T3   | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 500   | 16     | 4    | 7 | 6 | 2 | 2 | Good | 20+      | Rooting zone confined by drive. Epicormic growth at base of stem. Small diameter deadwood.                                                                 |                          | 6    | 113.11 | B2       |
| T4   | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 800   | 14     | 3    | 7 | 7 | 7 | 7 | Good | 20+      | Dense ivy.                                                                                                                                                 | Sever ivy if desired.    | 9.6  | 289.57 | B1       |
| G2   | Crataegus monogyna (Hawthorn), Ilex aquifolium (Holly), Cypress sp, Alnus glutinosa (Common Alder), Corylus avellana (Hazel), Sambucus nigra (Elder) | M   | <300  | <6     |      |   |   |   |   | Good | 20+      | Dense ivy. Boundary group. Canopy spread as indicated on site plan.                                                                                        |                          | 3.6  | 40.72  | C2       |
| T5   | Fraxinus excelsior (Ash)                                                                                                                             | M   | 470   | 12     | 4    | 7 | 2 | 7 | 7 | Good | 20+      | Crown previously suppressed by now severed ivy.                                                                                                            |                          | 5.64 | 99.95  | C2       |
| T6   | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 500   | 16     | 7    | 2 | 0 | 6 | 6 | Good | 20+      |                                                                                                                                                            |                          | 6    | 113.11 | B2       |
| T7   | Fagus sylvatica (Beech)                                                                                                                              | M   | 800   | 18     | 4    | 5 | 8 | 8 | 8 | Good | 20+      | Large wound from failed limb on lowest branch.                                                                                                             |                          | 9.6  | 289.57 | B2       |
| T8   | Fagus sylvatica (Beech)                                                                                                                              | M   | 900   | 20     | 8    | 6 | 6 | 6 | 4 | Good | 20+      | Pruning wounds on stem.                                                                                                                                    |                          | 10.8 | 366.48 | B2       |
| T9   | Fagus sylvatica (Beech)                                                                                                                              | M   | 750   | 16     | 4    | 8 | 2 | 2 | 5 | Good | 20+      |                                                                                                                                                            |                          | 9    | 254.5  | B2       |
| T10  | Fraxinus excelsior (Ash)                                                                                                                             | M   | 550   | 16     | 5    | 7 | 5 | 3 | 7 | Good | 20+      | Leaning North-West.                                                                                                                                        |                          | 6.6  | 136.87 | C2       |
| T11  | Fagus sylvatica (Beech)                                                                                                                              | M   | 650   | 18     | 6    | 6 | 4 | 2 | 8 | Good | 20+      | Basal decay. Good reaction wood.                                                                                                                           | Monitor decay.           | 7.8  | 191.16 | B2       |
| T12  | Pinus sylvestris (Scots Pine)                                                                                                                        | M   | 650   | 22     | 12   | 4 | 4 | 4 | 4 | Good | 20+      | Leaning East.                                                                                                                                              |                          | 7.8  | 191.16 | C2       |
| T13  | Aesculus hippocastanum (Horse Chestnut)                                                                                                              | M   | 900   | 20     | 6    | 4 | 7 | 7 | 5 | Good | 20+      | Leaning East. Pruning wounds on stem.                                                                                                                      |                          | 10.8 | 366.48 | B2       |
| T14  | Fagus sylvatica (Beech)                                                                                                                              | M   | 680   | 18     | 7    | 6 | 6 | 4 | 6 | Good | 20+      | Leaning East.                                                                                                                                              |                          | 8.16 | 209.21 | B2       |
| T15  | Fagus sylvatica (Beech)                                                                                                                              | M   | 740   | 18     | 4    | 7 | 7 | 5 | 7 | Good | 20+      |                                                                                                                                                            |                          | 8.88 | 247.76 | B2       |
| T16  | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 480   | 14     | 5    | 6 | 6 | 6 | 4 | Good | 20+      | Small diameter deadwood.                                                                                                                                   |                          | 5.76 | 104.24 | B2       |
| T17  | Salix caprea (Goat Willow)                                                                                                                           | EM  | 300   | 12     | 4    | 6 | 4 | 4 | 3 | Good | 20+      | Rooting zone confined by hardstanding. Secondary stem removed.                                                                                             |                          | 3.6  | 40.72  | C2       |
| G3   | Crataegus monogyna (Hawthorn), Prunus laurocerasus (Cherry Laurel)                                                                                   | M   | <300  | <6     |      |   |   |   |   | Fair | 20+      | Rooting zone confined by hardstanding. Overstood group. Historically poorly maintained. Hawthorn leaning to East. Canopy spread as indicated on site plan. |                          | 3.6  | 40.72  | C2       |
| T18  | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 600   | 14     | 5    | 7 | 4 | 3 | 7 | Fair | 20+      | Ivy. Stem divides below 1.5m. Dense ivy. Small diameter deadwood.                                                                                          |                          | 7.2  | 162.88 | C2       |
| T19  | Quercus robur (Common Oak)                                                                                                                           | M   | 743   | 14     | 3    | 3 | 7 | 3 | 3 | Good | 20+      | Dense ivy.                                                                                                                                                 |                          | 8.92 | 250    | B2       |
| T20  | Acer pseudoplatanus (Sycamore)                                                                                                                       | EM  | 280   | 14     | 5    | 1 | 1 | 4 | 4 | Fair | 20+      | Dense ivy. Crown suppressed by ivy.                                                                                                                        | Sever ivy.               | 3.36 | 35.47  | C2       |
| T21  | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 700   | 14     | 2    | 8 | 2 | 3 | 8 | Good | 20+      | Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                                                                                               | Sever ivy.               | 8.4  | 221.7  | B2       |
| T22  | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 680   | 14     | 4    | 2 | 8 | 8 | 2 | Good | 20+      | Rooting zone confined by hardstanding. Leaning East. Dense ivy. Crown suppressed by ivy. Rubble within RPA.                                                | Sever ivy and reinspect. | 8.16 | 209.21 | B2       |
| T23  | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 550   | 14     | 10   | 5 | 5 | 5 | 5 | Good | 20+      | Dense ivy. Crown suppressed by ivy.                                                                                                                        | Sever ivy and reinspect. | 6.6  | 136.87 | B2       |
| T24  | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 450   | 14     | 3    | 4 | 8 | 4 | 2 | Good | 20+      | Leaning East. Epicormic growth at base of stem. Dense ivy.                                                                                                 | Sever ivy and reinspect. | 5.4  | 91.62  | B2       |
| T25  | Acer pseudoplatanus (Sycamore)                                                                                                                       | M   | 800   | 12     | 2    | 8 | 8 | 6 | 6 | Good | 20+      | Ivy. Epicormic growth at base of stem. Small diameter deadwood. Fire damage on East crown.                                                                 |                          | 9.6  | 289.57 | B2       |

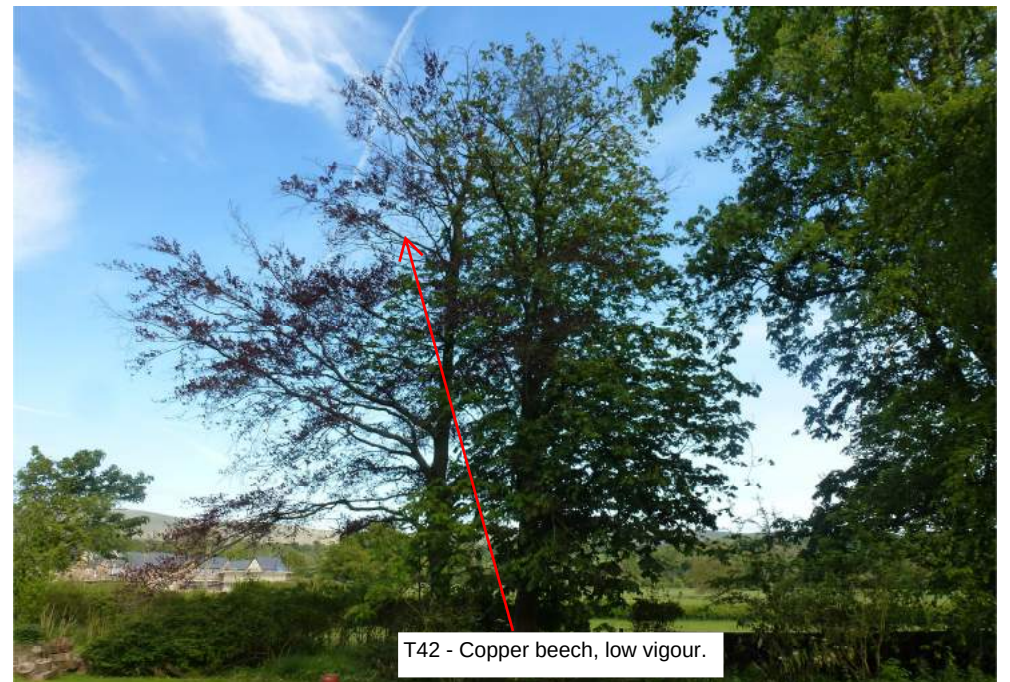
| Item | Species                                                                                                                                                                                                                                                                                                                 | Age | DBH  | Height | 1stB | N | E | S  | W | Cond         | Life Exp | Comments                                                                                                                                                      | Work recommendations                                                                                     | RPR  | RPA    | Category |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--------|------|---|---|----|---|--------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------|--------|----------|
| G4   | Sambucus nigra (Elder), Snowberry, Catoniasta, Berberis                                                                                                                                                                                                                                                                 | M   | <150 | <4     |      |   |   |    |   | Fair         | 20+      | Unmaintained group. Canopy spread as indicated on site plan.                                                                                                  |                                                                                                          | 1.8  | 10.18  | C2       |
| T26  | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | M   | 600  | 16     | 10   | 6 | 6 | 6  | 6 | Good         | 20+      |                                                                                                                                                               |                                                                                                          | 7.2  | 162.88 | B2       |
| T27  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 780  | 16     | 3    | 5 | 5 | 7  | 7 | Good         | 20+      | Stem divides above 1.5m. Small diameter deadwood. Fire damage to West of crown.                                                                               |                                                                                                          | 9.36 | 275.27 | B2       |
| T28  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | EM  | 470  | 12     | 2    | 4 | 4 | 6  | 2 | Good         | 20+      |                                                                                                                                                               |                                                                                                          | 5.64 | 99.95  | B2       |
| T29  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 800  | 14     | 3    | 8 | 8 | 8  | 2 | Good         | 20+      | Heavily pruned to West of crown.                                                                                                                              |                                                                                                          | 9.6  | 289.57 | B2       |
| T30  | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | EM  | 370  | 14     | 10   | 4 | 4 | 4  | 4 | Good         | 20+      |                                                                                                                                                               |                                                                                                          | 4.44 | 61.94  | B2       |
| T31  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | EM  | 400  | 10     | 3    | 5 | 5 | 5  | 5 | Good         | 20+      |                                                                                                                                                               |                                                                                                          | 4.8  | 72.39  | B2       |
| T32  | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | M   | 650  | 14     | 7    | 7 | 7 | 7  | 7 | Good         | 20+      | Medium diameter deadwood.                                                                                                                                     |                                                                                                          | 7.8  | 191.16 | B2       |
| T33  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 620  | 15     | 6    | 5 | 5 | 5  | 5 | Good         | 20+      |                                                                                                                                                               |                                                                                                          | 7.44 | 173.92 | B2       |
| T34  | Pinus sylvestris (Scots Pine)                                                                                                                                                                                                                                                                                           | M   | 700  | 18     | 10   | 6 | 9 | 9  | 6 | Good         | 20+      | Leaning South-East.                                                                                                                                           |                                                                                                          | 8.4  | 221.7  | B2       |
| T35  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 700  | 12     | 5    | 6 | 6 | 6  | 6 | Good         | 20+      | Leaning North. Stem divides above 1.5m. Basal decay. Good reaction wood.                                                                                      | Monitor decay.                                                                                           | 8.4  | 221.7  | B2       |
| T36  | Fagus sylvatica (Beech)                                                                                                                                                                                                                                                                                                 | M   | 550  | 8      | 3    | 6 | 6 | 6  | 6 | Good         | 20+      | Leaning North.                                                                                                                                                |                                                                                                          | 6.6  | 136.87 | B2       |
| T37  | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | M   | 1000 | 17     | 4    | 7 | 7 | 7  | 7 | Fair         | 20+      | Leaning East. Basal decay. Medium diameter deadwood. Cavities on main stem and limbs.                                                                         | Monitor decay. Would make suitable tree for retaining and managing as a veteran tree whilst it declines. | 12   | 452.45 | B1       |
| G5   | Fraxinus excelsior (Ash), Sambucus nigra (Elder), Prunus (Prunus species), Betula pendula (Silver Birch), Fagus sylvatica 'Purpurea' (Copper Beech), Prunus laurocerasus (Cherry Laurel), Aesculus hippocastanum (Horse Chestnut), Crataegus monogyna (Hawthorn), Prunus spinosa (Blackthorn), Corylus avellana (Hazel) | M   | <600 | <16    |      |   |   |    |   | Poor to Good | 20+      | Boundary group. 1 x partially failed Ash stem. Will require on going maintenance works to manage poor quality trees. Canopy spread as indicated on site plan. |                                                                                                          | 7.2  | 162.88 | C2       |
| T38  | Prunus (Prunus species)                                                                                                                                                                                                                                                                                                 | M   | 390  | 5      | 2    | 5 | 5 | 5  | 5 | Good         | 20+      | Grafted ornamental cherry.                                                                                                                                    |                                                                                                          | 4.68 | 68.82  | B1       |
| T39  | Malus (Apple)                                                                                                                                                                                                                                                                                                           | M   | 250  | 8      | 2    | 3 | 3 | 3  | 3 | Good         | 20+      |                                                                                                                                                               |                                                                                                          | 3    | 28.28  | C2       |
| T40  | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | M   | 806  | 18     | 5    | 7 | 7 | 7  | 7 | Fair         | 20+      | Stem divides at ground level. Small diameter deadwood. Die-back in tips.                                                                                      | Monitor vigour. Reinspect for ash die-back in summer.                                                    | 9.67 | 293.8  | C2       |
| T41  | Fraxinus excelsior (Ash)                                                                                                                                                                                                                                                                                                | M   | 600  | 18     | 3    | 2 | 3 | 5  | 5 | Fair         | 20+      | Stem divides above 1.5m.Die-back in tips.                                                                                                                     | Monitor vigour. Reinspect for ash die-back in summer.                                                    | 7.2  | 162.88 | C2       |
| T42  | Fagus sylvatica 'Purpurea' (Copper Beech)                                                                                                                                                                                                                                                                               | EM  | 570  | 14     | 3    | 5 | 5 | 5  | 5 | Fair         | 10+      | Low vigour. Small diameter deadwood.                                                                                                                          | Monitor vigour.                                                                                          | 6.84 | 147    | C2       |
| T43  | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 650  | 14     | 3    | 5 | 3 | 5  | 6 | Good         | 20+      | Stem divides below 1.5m. Included union.                                                                                                                      |                                                                                                          | 7.8  | 191.16 | C2       |
| T44  | Tilia X europaea (Common Lime)                                                                                                                                                                                                                                                                                          | M   | 900  | 22     | 6    | 6 | 6 | 6  | 6 | Good         | 20+      | Epicormic growth on stem. Small diameter deadwood. Form typical of species                                                                                    |                                                                                                          | 10.8 | 366.48 | A1       |
| T45  | Tilia cordata (Small-leaved Lime)                                                                                                                                                                                                                                                                                       | M   | 600  | 18     | 7    | 5 | 4 | 2  | 2 | Good         | 20+      | Epicormic growth on stem. Small diameter deadwood.                                                                                                            |                                                                                                          | 7.2  | 162.88 | B2       |
| T46  | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 1000 | 18     | 7    | 4 | 4 | 10 | 5 | Good         | 20+      | Exposed wood on main stem. large diameter previously failed limb at 7m.                                                                                       | Monitor for bleeding canker of horse chestnut. Monitor for decay.                                        | 12   | 452.45 | B2       |
| T47  | Aesculus hippocastanum (Horse Chestnut)                                                                                                                                                                                                                                                                                 | M   | 750  | 18     | 6    | 8 | 8 | 8  | 8 | Good         | 20+      | Medium diameter deadwood. Stubs from failed limbs.                                                                                                            | Monitor for decay                                                                                        | 9    | 254.5  | B2       |

| Item | Species                                 | Age | DBH  | Height | 1stB | N | E | S  | W | Cond | Life Exp | Comments                                                                                                                 | Work recommendations     | RPR  | RPA    | Category |
|------|-----------------------------------------|-----|------|--------|------|---|---|----|---|------|----------|--------------------------------------------------------------------------------------------------------------------------|--------------------------|------|--------|----------|
| T48  | Fraxinus excelsior (Ash)                | EM  | 495  | 16     | 6    | 0 | 3 | 6  | 4 | Good | 20+      | Stem divides below 1.5m. Dense ivy. Crown suppressed by surrounding trees. Crown suppressed by ivy.                      | Sever ivy.               | 5.94 | 110.86 | C2       |
| T49  | Taxus baccata (Yew)                     | M   | 600  | 10     | 3    | 4 | 4 | 4  | 4 | Good | 20+      | Rooting zone confined by hardstanding.                                                                                   |                          | 7.2  | 162.88 | B1       |
| T50  | Acer pseudoplatanus (Sycamore)          | M   | 800  | 14     | 3    | 6 | 6 | 2  | 2 | Good | 20+      | Rooting zone confined by hardstanding. Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                      | Sever ivy and reinspect. | 9.6  | 289.57 | C2       |
| T51  | Acer pseudoplatanus (Sycamore)          | M   | 693  | 12     |      | 5 | 3 | 6  | 6 | Good | 20+      | Rooting zone confined by hardstanding. Multiple stems below 1.5m. Dense ivy. Crown suppressed by ivy.                    | Sever ivy and reinspect. | 8.32 | 217.5  | C2       |
| T52  | Prunus laurocerasus (Cherry Laurel)     | M   | 346  | 8      |      | 6 | 4 | 6  | 4 | Good | 20+      | Rooting zone confined by hardstanding. Multiple stems at ground level. Overstood, unmaintained.                          |                          | 4.15 | 54.11  | C2       |
| T53  | Tilia X europaea (Common Lime)          | M   | 800  | 18     |      | 6 | 6 | 6  | 6 | Good | 20+      | Rooting zone confined by hardstanding. Epicormic growth on stem. Small diameter deadwood. Closer inspection not possible |                          | 9.6  | 289.57 | B1       |
| T54  | Fagus sylvatica (Beech)                 | EM  | 250  | 12     | 4    | 6 | 6 | 6  | 6 | Good | 20+      | Rooting zone confined by hardstanding. Ivy.                                                                              |                          | 3    | 28.28  | C2       |
| T55  | Acer pseudoplatanus (Sycamore)          | M   | 500  | 16     | 6    | 5 | 5 | 5  | 5 | Good | 20+      | Rooting zone confined by drive. Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                             | Sever ivy and reinspect. | 6    | 113.11 | C2       |
| T56  | Tilia X europaea (Common Lime)          | M   | 800  | 20     |      | 6 | 6 | 6  | 6 | Good | 20+      | Rooting zone confined by drive. Dense ivy. Crown suppressed by ivy. Small diameter deadwood.                             | Sever ivy and reinspect. | 9.6  | 289.57 | B2       |
| T57  | Acer pseudoplatanus (Sycamore)          | M   | 800  | 20     | 10   | 5 | 8 | 8  | 5 | Good | 20+      | Rooting zone confined by drive. Ivy.                                                                                     | Sever ivy and reinspect. | 9.6  | 289.57 | B2       |
| T58  | Tilia X europaea (Common Lime)          | M   | 1100 | 20     | 7    | 6 | 8 | 10 | 2 | Good | 20+      | Rooting zone confined by drive. Ivy- recently severed                                                                    |                          | 13.2 | 547.46 | B2       |
| T59  | Aesculus hippocastanum (Horse Chestnut) | M   | 1100 | 20     | 5    | 5 | 4 | 7  | 8 | Fair | 20+      | Rooting zone confined by drive. Ivy - recently severed. Failed limbs on main stem at 3m. Decay cavities on main stem.    | Monitor decay.           | 13.2 | 547.46 | B2       |

Table 1 Cascade chart for tree quality assessment

| Category and definition                                                                                                                                                   | Criteria (including subcategories where appropriate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                   |                                                                                                                                       | Identification on plan |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Trees unsuitable for retention (see Note)                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |                                                                                                                                       |                        |
| <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</i> Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7.</p> |                                                                                                                                                                                                                                                                   |                                                                                                                                       | See Table 2            |
|                                                                                                                                                                           | 1 Mainly arboricultural qualities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 Mainly landscape qualities                                                                                                                                                                                                                                      | 3 Mainly cultural values, including conservation                                                                                      |                        |
| Trees to be considered for retention                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |                                                                                                                                       |                        |
| <b>Category A</b><br>Trees of high quality 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 particular visual importance as arboricultural and/or landscape features                                                                                                                                                            | Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture) | See Table 2            |
| <b>Category B</b><br>Trees of moderate quality 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 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 | Trees with material conservation or other cultural value                                                                              | See Table 2            |
| <b>Category C</b><br>Trees of low quality 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 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                                                              | Trees with no material conservation or other cultural value                                                                           | See Table 2            |







T37 - Ash. In decline with multiple decay cavities and deadwood. This tree is suitable for retention and management as a veteran tree as it declines.



T37 - Basal decay



T37 - Decay cavity and deadwood



T37 - Basal decay