



Tree Survey

BS5837:2012

17 xxxxx LANE, WIRRAL, CH43

John Cunningham BSc
01/05/2025

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Appendix 1

Tree Survey Schedule

Appendix 2

Tree Constraints Plan and Tree Protection Plan

1 SUMMARY

- 1.1 The proposed development is for the erection of a ground & first-floor extension to the rear elevation; replacement of timber cladded areas with render; new fenestration throughout; erection of a garage within 2m of the boundary, including the proposed removal of trees.
- 1.2 To prevent compaction and to protect the root radial areas of the trees, all trees will be afforded protection (see Arboricultural Method Statement and Tree Protection Plan). Such trees shall be retained and shall not be lopped, topped, felled, pruned, have their roots severed or be uprooted without prior approval of the Local Planning Authority.
- 1.3 To accommodate the garage there will be a requirement for five trees to be removed. All of these are 'C' category which are categorised as low quality.
- 1.4 The Root Protection Area of the tree (T12) is within the proposed garage (see Tree Protection Plan). Raft style foundations are proposed to be used as an alternative to strip foundations. These engineering solutions are in accordance with the BS5837:2012 guidelines *'The insertion of specially engineered structures within RPAs may be justified if this enables the retention of a good quality tree that would otherwise be lost.'*

2 INTRODUCTION

- 2.1 John Cunningham is a Building Surveyor with Oakland Rose Architecture. He has been awarded an Honours degree in Building Surveying from the School of the Built Environment, John Moores University. He has 18 years' experience within the industry.
- 2.2 Oakland Rose have been instructed by [the client] to produce a Tree Survey Plan in accordance with BS5837:2012. The survey was carried out on the 8th of May 2024. The weather conditions were cloudy and mild.

- 17.5 Trees should always complement the architecture, historic environment and the local landscape in the longer term. Colour of backdrop should also be taken into consideration, (for example a Birch will not be clearly visible against a light background).
- 17.6 Suitability of species and planting positions adjacent structures such as walls and buildings to avoid the risk of structural damage as the tree grows.
- 17.7 The soil type, to include drainage, should be such that tree roots are able to grow and function adequately. Any non-native planting schemes should comprise a high percentage of species of known wildlife value.
- 17.8 The extent of mitigation planting will ultimately be determined in agreement with Wirral Borough Council. Native tree species should be increased by planting native broadleaf trees that are of local provenance to the site and appropriate size. Examples are: Birch *Betula pendula* or *Betula pubescens*, Blackthorn *Prunus spinosa*, Rowan *Sorbus aucuparia*, Hawthorn *Crataegus monogyna*, Wild Cherry *Prunus avium* and or Apple *Malus* sp.

18.0 CONCLUSION

- 18.1 Providing that the methodology prescribed on this Arboricultural Method Statement and Tree Protection Plan is strictly adhered to I would expect there to be no harmful effects on the retained trees, their health and condition should be as if there had been no development.

18.2 Contact Details for all Relevant Parties

| Name | Contact Details |
|--|-----------------|
| Name 1 Position | |
| Name Position | |
| JOHN CUNNINGHAM (ARBORICULTURAL CONSULTANT) | 07565 788 821 |

SURVEY SCHEDULE COMPLIANT TO BRITISH STANDARD 5837: 2012 DATE 08/12/2021

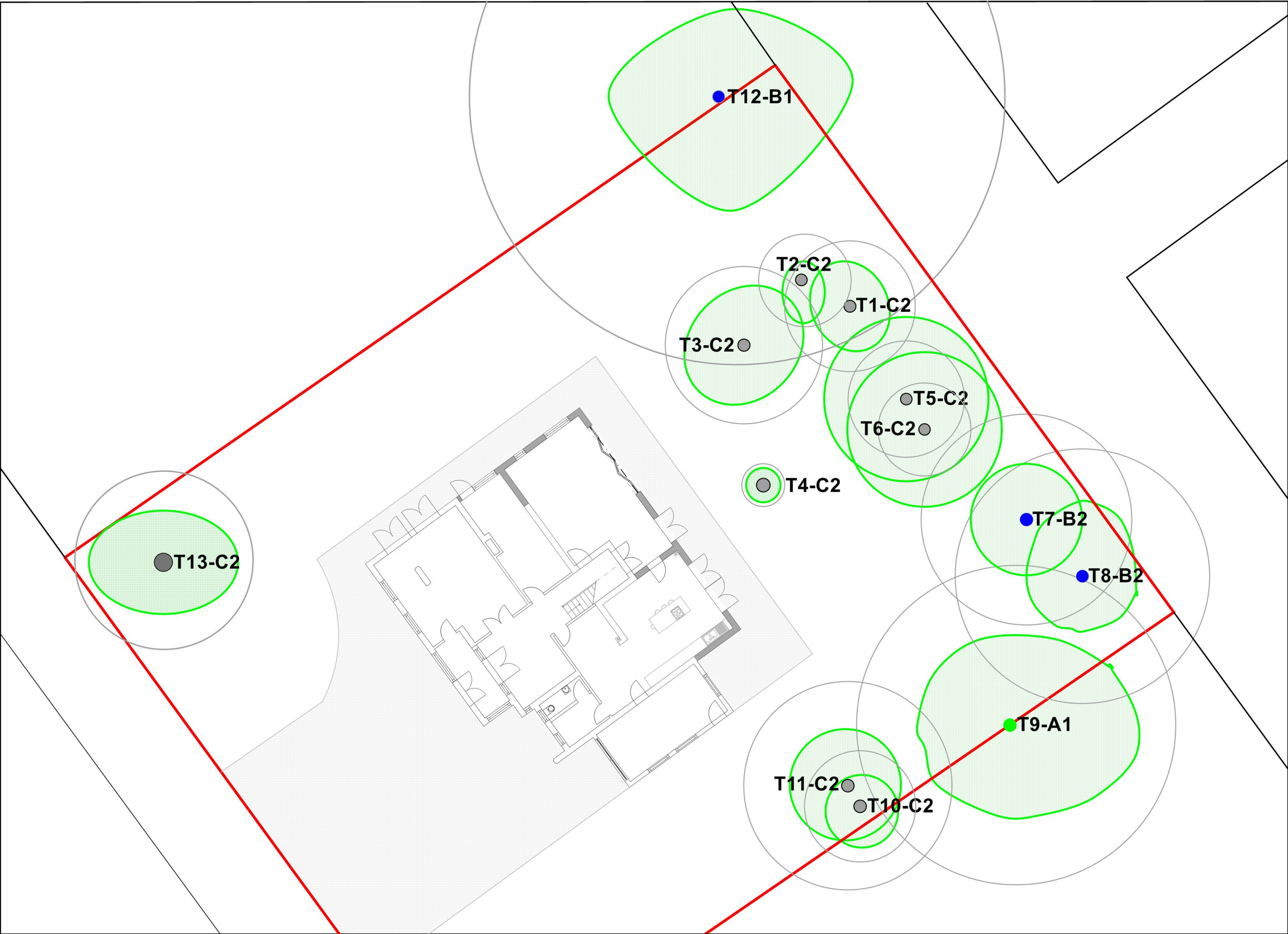
| Ref No | Species | Height (m) | Stem diameter (mm) | N | S | E | W | First sig. branch and direction (m) | Canopy height (m) | Life stage | Estimated remaining contribution (years) | Category grading | Observations and Management recommendations |
|--------|---|------------|--------------------|---|---|---|---|-------------------------------------|-------------------|------------|--|------------------|---|
| T1 | Yew <i>Taxus baccata</i> | 6m | 302mm | 3 | 2 | 2 | 3 | 9(N) | 9m | S/M | 10+ | C2 | 1. Appears healthy with no apparent defects. 2. Multi-stemmed with dense foliage. Remove to facilitate access for driveway |
| T2 | Laburnum <i>Laburnum anagyroides</i> | 10m | 200 mm | 0 | 4 | 2 | 2 | 3 (S) | 3m | M | 10+ | C2 | 1. Single-stemmed and leaning south. 2. Healthy foliage with no apparent defects. Remove to facilitate access for driveway |
| T3 | Hornbeam Maple <i>Acer carpinifolium</i> | 14m | 277mm | 4 | 4 | 3 | 2 | 3 (N) | 1m | S/M | 10+ | C2 | 1. Appears healthy with no apparent defects. 2. Single-stemmed with dense foliage. Remove to facilitate access for driveway |
| T4 | Mock Orange <i>Philadelphus</i> | 4 | 40mm x 7 | 1 | 1 | 1 | 1 | NA | 1 | S/M | 10+ | C2 | 1. Small tree/ shrub 2. Appears healthy with no apparent defects |
| T5 | Holly <i>Ilex aquifolium</i> | 18m | 220mm | 4 | 4 | 4 | 4 | 1 (N) | 1m | Y | 10+ | C2 | 1. A semi-mature, example with no apparent defects. Remove to facilitate development |

SURVEY SCHEDULE COMPLIANT TO BRITISH STANDARD SURVEY SCHEDULE COMPLIANT TO BRITISH STANDARD 5837: 2012 DATE 08/12/2021

| Ref No | Species | Height (m) | Stem diameter (mm) | N | S | E | W | First sig. branch and direction (m) | Canopy height (m) | Life stage | Estimated remaining contribution (years) | Category/grading | Observations and Management recommendations |
|--------|--|------------|--------------------|---|---|---|---|-------------------------------------|-------------------|------------|--|------------------|---|
| T6 | Holly <i>Ilex aquifolium</i> | 12m | 175mm x 2 | 4 | 4 | 4 | 4 | 1 (E) | 1 | Y | 10+ | C2 | 1. Semi – mature tree. 2. Condition is fair with no apparent defects. Remove to facilitate development |
| T7 | Sycamore <i>Acer pseudoplatanus</i> | 14m | 474mm | 3 | 3 | 3 | 3 | 3 (S) | 2m | M | 20+ | B2 | 1. A single-stemmed tree with large healthy canopy overhanging the lane 2. Fungus is located at the base of the trunk. Checked with sounding hammer and no audible sounds of decay were heard. Monitor for any signs of deterioration |
| T8 | Sycamore <i>Acer pseudoplatanus</i> | 14m | 573mm | 4 | 3 | 3 | 3 | 4(S) | 4m | M | 20+ | B2 | 1. A single-stemmed tree with large healthy canopy overhanging the lane 2. Fungus is located at the base of the trunk. Checked with sounding hammer and no audible sounds of decay were heard. Monitor for any signs of deterioration |

SURVEY SCHEDULE COMPLIANT TO BRITISH STANDARD SURVEY SCHEDULE COMPLIANT TO BRITISH STANDARD 5837: 2012 DATE 27/11/2018

| Ref No | Species | Height (m) | Stem diameter (mm) | N | S | E | W | First sig. branch and direction (m) | Canopy height (m) | Life stage | Estimated remaining contribution (years) | Category grading | Observations and Management recommendations |
|--------|---------------------------------------|------------|--------------------|---|----|---|---|-------------------------------------|-------------------|------------|--|------------------|---|
| T9 | Beech <i>Fagus sylvatica</i> | 16m | 700mm | 5 | 5 | 7 | 5 | 2 (W) | 2m | M | 40+ | A1 | 1. Large mature, excellent specimen 2. In good condition with large well balanced crown 3. Located within boundary fence. |
| T10 | Silver birch <i>Betula pendula</i> | 12m | 250 mm | 3 | 3 | 3 | 3 | 4 (S) | 2m | S/M | 10+ | C2 | 1. Single-stemmed 2. Healthy foliage with no apparent defects. |
| T11 | Beech <i>Fagus sylvatica</i> | 12m | 270mm x 2 | 3 | 3. | 3 | 3 | 4 (W) | 2m | S/M | 10+ | C2 | 1. Appears healthy with no apparent defects. 2. Dual stemmed with dense foliage. |
| T12 | Sycamore | 18m | 1200mm | 4 | 6 | 6 | 6 | 5 (E) | 5m | M | 20+ | B1 | 1. A large, mature, healthy example with no apparent defects. 2. It is clad in ivy and bifurcates at 2m. |
| T13 | Holly <i>Ilex aquifolium</i> | 11m | 210mm | 4 | 4 | 4 | 4 | 1(E) | 1m | Y | 10+ | C2 | 1. Semi – mature tree. 2. Fair condition with no apparent defects. |



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Drawings to be read in conjunction with the Written Specification. Measurements given on these plans should not be considered definitive and should be checked on site.

Structure and measurements should be checked on site by the appointed engineer

T1

Tree reference number

B1

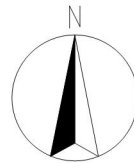
A, B, C = Category of tree

1, 2, 3 =

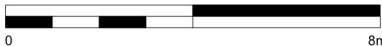
[1] Aboricultural value

[2] Landscape value

[3] Cultural value



1:200



DRAWING TITLE

TREE CONSTRAINTS PLAN

CLIENT

SITE ADDRESS

17 XXXX LANE, WIRRAL, CH43

SCALE/ PAPER SIZE

1:200/ A3

DATE

MAY 2024

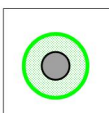
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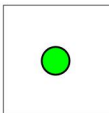
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JC

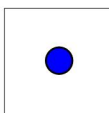
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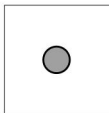
Trees
Canopy extent, category colour,
and tag number (with categories)



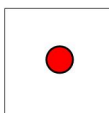
Category A
Trees of high quality with an est.
life expectancy of at least 40 years



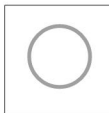
Category B
Trees of moderate quality with an est.
life expectancy of at least 30 years



Category C
Trees of low quality with an established life
expectancy of at least 10 years, or a young
trees with a stem diameter below 150mm.



Category U
Trees in such a condition that they cannot be realistically
retained as living trees in the context of the current land
use for longer than 10 years.



BS 5637: 2012 Root Protection Area

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Structure and measurements should be checked on site by the appointed engineer

T1

Tree reference number

B1

A, B, C = Category of tree

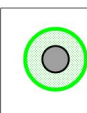
1, 2, 3 =
[1] Aboricultural value
[2] Landscape value
[3] Cultural value



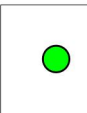
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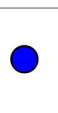
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|----------------------------|----------|---------|
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| TREE PROTECTION PLAN | | |
| CLIENT | | |
| SITE ADDRESS | | |
| 17 XXXX LANE, WIRRAL, CH43 | | |
| SCALE/ PAPER SIZE | DATE | |
| 1:200/ A3 | MAY 2024 | |
| DRAWING No | DRAWN BY | CHECKED |
| TS - 02 | JC | |



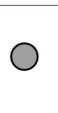
Trees
Canopy extent, category colour,
and tag number (with categories)



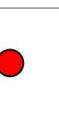
Category A
Trees of high quality with an est.
life expectancy of at least 40 years



Category B
Trees of moderate quality with an est.
life expectancy of at least 30 years



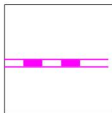
Category C
Trees of low quality with an established life
expectancy of at least 10 years, or a young
trees with a stem diameter below 150mm.



Category U
Trees in such a condition that they cannot be realistically
retained as living trees in the context of the current land
use for longer than 10 years.



BS 5637: 2012 Root Protection Area



Tree Protective Fencing



Trees to be removed