



Arboriculture Impact Assessment & Method Statement

Project:
1 Riesling Drive,
Tower Hill,
Kirkby L33 1SQ,

Date:
September 2021

Disclaimer:

Unless otherwise stated, tree inspections have been undertaken from ground level and using non-invasive techniques only. Comments upon the condition and safety of any tree relate to the condition of the tree at the time of the survey. It should be recognized that tree condition is subject to change due to, for example, the effects of disease, wind or nearby development works. Changes in land use are also significant in respect of risk assessment. Trees should therefore be inspected at intervals relative to identified site risks.

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Appendix 1: Tree Survey Plan Drawing MPT224.01.21

Appendix 2: BS5837: 2012 Tree Survey Data Tables 11 Riesling Drive
September 2021

Appendix 3: Tree Protection Plan Drawing MPT224.02.21

1.0 Introduction

- 1.1 MPTrees have prepared this Arboriculture Impact Assessment (AIA) further to the instructions of Mr P Reynolds, who seeks planning consent at 11 Riesling Drive, Tower Hill, Kirkby L33 1SQ, hereafter referred to as the application site or site.
- 1.2 The purpose of this AIA is to provide an assessment of the existing arboriculture resource on/adjacent the application site, and of the significance of the potential impacts of the application proposal on the resource.
- 1.3 To assess the significance of the potential impacts of any proposal, all trees on/adjacent the application site were surveyed by a qualified surveyor using ground based, non-invasive, visual survey techniques. The surveyor recorded the baseline arboriculture conditions present in accordance with British Standard 5837: 2012 *Trees in relation to construction – Recommendations*. The full tree survey details recorded in the format recommended by BS5837: 2012 can be found at appendices 1 & 2 of this report.

2.0 Application Proposal

- 2.1 Mr P Reynolds seeks planning approval for the construction of an extension to the existing residential dwelling on site. The existing and the proposed site layouts can be seen on plans MPT224.01.21 and MPT224.02.21 at appendices 1 and 3.
- 2.2 The application will not require the removal of trees from or adjacent the application site.

3.0 Impact Assessment

- 3.1 There are no trees on the application site. However, there are a number of trees adjacent site. These trees are at the edge of linear park bounding the site to the north west and in the case of trees G1 (elder) and G2 (hazel), these were presumably planted as part of landscaping of the park and residential estate. The other trees present (goat willow) are presumably self-seeded. All the trees together provide an element of maturity to landscaping of the park and screening to the site to the park and properties on the opposite side of it.
- 3.2 As can be seen on drawing MPT224.02.21 at appendix 3, the proposed extension to the existing dwelling will be at the southern edge of the root protection areas (RPA) of trees in G1. This area is presently covered by a one storey, lean too, garage and hard surfacing and it is likely that roots of adjacent trees will not have favoured this area. However, excavations for foundations will have

potential for root damage and loss to trees in G1. This negative impact is unlikely to be significant on the trees and can be mitigated by careful treatment of any exposed roots found during excavations (see section 5.3).

- 3.3 Drawing MPT224.02.21 also shows the canopies of trees in G1 extending over the boundary of site to the south by approx. 1m. There will be a requirement to reduce the canopies of the elder trees in G1 by up to 1m to the south to facilitate construction. This level of pruning to these trees will have a negligible impact on their health and condition and the visual and wider amenity benefit value that they provide. It is likely that scaffolding will need to be erected
- 3.4 Scaffolding will need to be erected within the RPA of G1. To mitigate potential root damage and loss through ground compaction, scaffolding should be construed as per Fig. 3 BS5837: 2005 (see section 5.4 of this report for detail).
- 3.5 The proposed development is outside of the RPA of all other trees adjacent site and there is therefore a very low potential for root damage and loss to adjacent trees. Soils adjacent site are classified by the UK Soils Observatory as naturally wet, very acid sandy and loamy soils. There should therefore be no significant impediment to gas and moisture exchange by tree roots adjacent site.

4.0 Conclusions & Recommendations

- 4.1 There is the potential for a moderate to minor negative impact from the application proposal on the health and condition of retained trees (G1, early mature elder) adjacent site. To mitigate these impacts, the Method Statement at section 5 of this report will need to be agreed and understood by all relevant parties before the start of any development activities on site.

5.0 Tree Protection Method Statement

5.1 Relevant Contact Details –

Client / Developer: Mr P Reynolds

Site address: 11 Riesling Drive, Kirkby

Site manager: Unknown

Local Planning

Authority: Knowsley Council

Arboriculture

Planning Officer: Unkown

Project

Arboriculturist: Matthew Potier, MPTrees, 07575 360202, matthew@mptrees.com

Arboriculture

Clerk of Works: Unconfirmed

5.2 Tree Works Specification -

5.21 Reduce canopies of trees in G1 as shown on drawing MPT224.02.21 at appendix 3 by 1m.

5.22 Tree work to be carried out by a fully qualified and insured tree work contractor working as a minimum to the recommendations of BS3998: 2010 – *Tree work, Recommendations*.

5.3 Foundations -

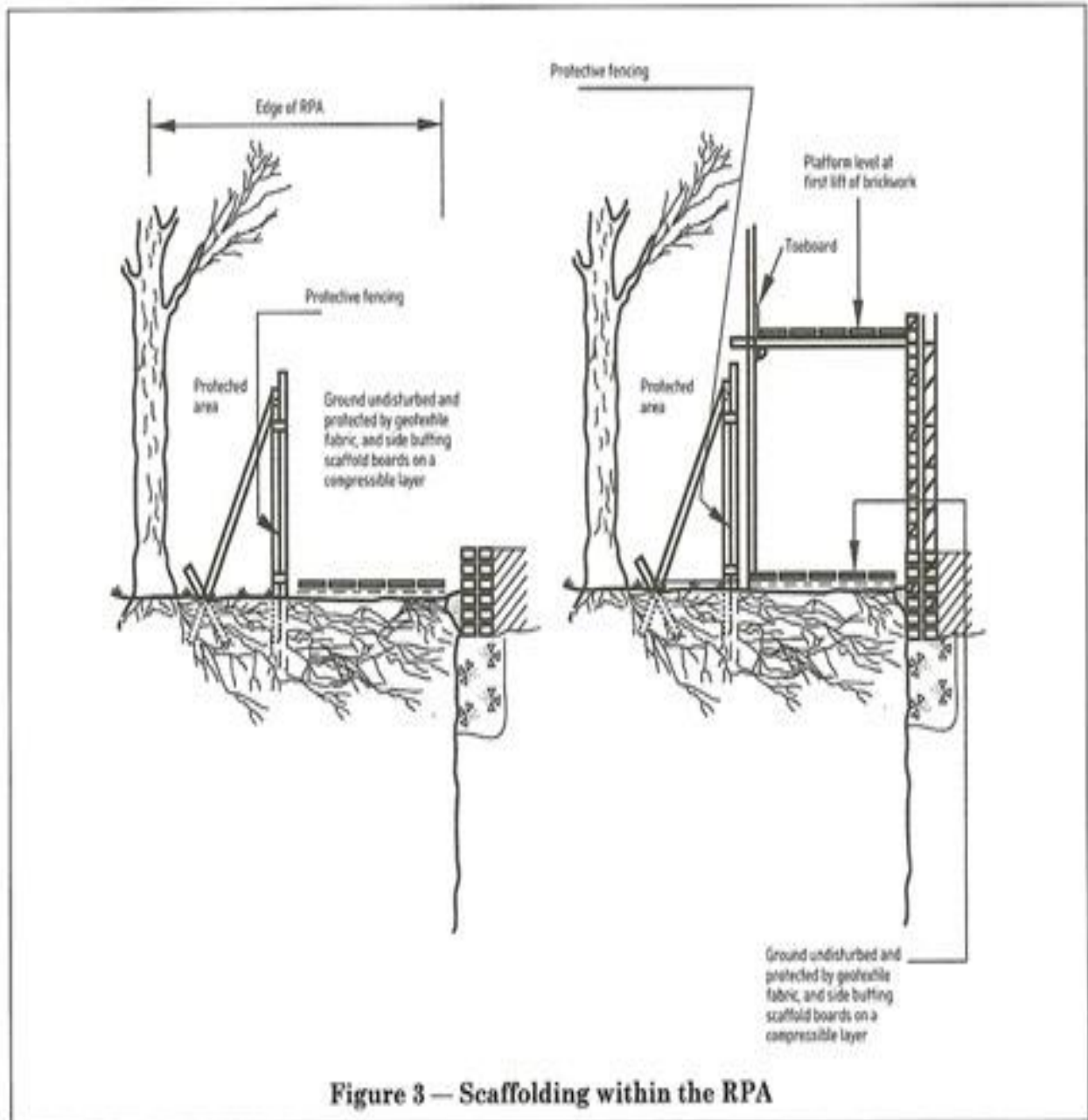
5.31 Roots less than 25mm diameter exposed during excavations to be pruned back to edge of excavations using sharp secateurs or saw.

5.32 Roots greater than 25mm or occurring in clumps must only be cut after consultation with an Arboriculturist.

5.4 RPA ground protection-

5.41 Place ground protection boards (e.g., scaffold boards) on top of a compression-resistant layer of 150 mm depth of woodchip), laid onto a geotextile membrane in all areas where scaffolding is required as per Fig.3 B5837: 2005 below.

Fig.3 B5837: 2005



5.5 Site Access and Storage -

5.51 Site access and Storage of all materials to be outside of RPA of all adjacent as shown on drawing MPT224.02.21.

5.6 New Utilities and Services -

5.61 New utilities and services to be routed outside of RPA of all adjacent as shown on drawing MPT224.02.21.

5.7 Sequence of Implementation of Tree Protection Measures -

- a) Nominate Arboriculture Clerk of Works (ACoW) and provide copy of this Method Statement.
- b) Nominated site agent to be provided with a copy of this Method Statement and to be fully aware of its implications prior to the start of site activities.
- c) Nominated ACoW and site agent to hold pre-commencement site meeting to agree on details of this Method Statement.
- d) Carry out tree works as per section 5.2.
- e) Excavate foundations as per section 5.3.
- f) Install scaffolding as per section 5.4.

5.8 Monitoring of Tree Protection Measures -

The ACoW is to be notified by site agent at the following times and is to visit site when notified to ensure agreed specification has been implemented:

- g) After completion of tree works to ensure compliance with section 5.2 of this Method Statement.
- h) During foundation excavation to ensure compliance with section 5.3 of this Method Statement.
- i) During installation of scaffolding to ensure compliance with section 5.3 of this Method Statement.
- j) At end of construction activities and removal of scaffolding. Any remedial works required to trees adjacent site will be notified by project Arboriculturist to client and Knowsley Council.



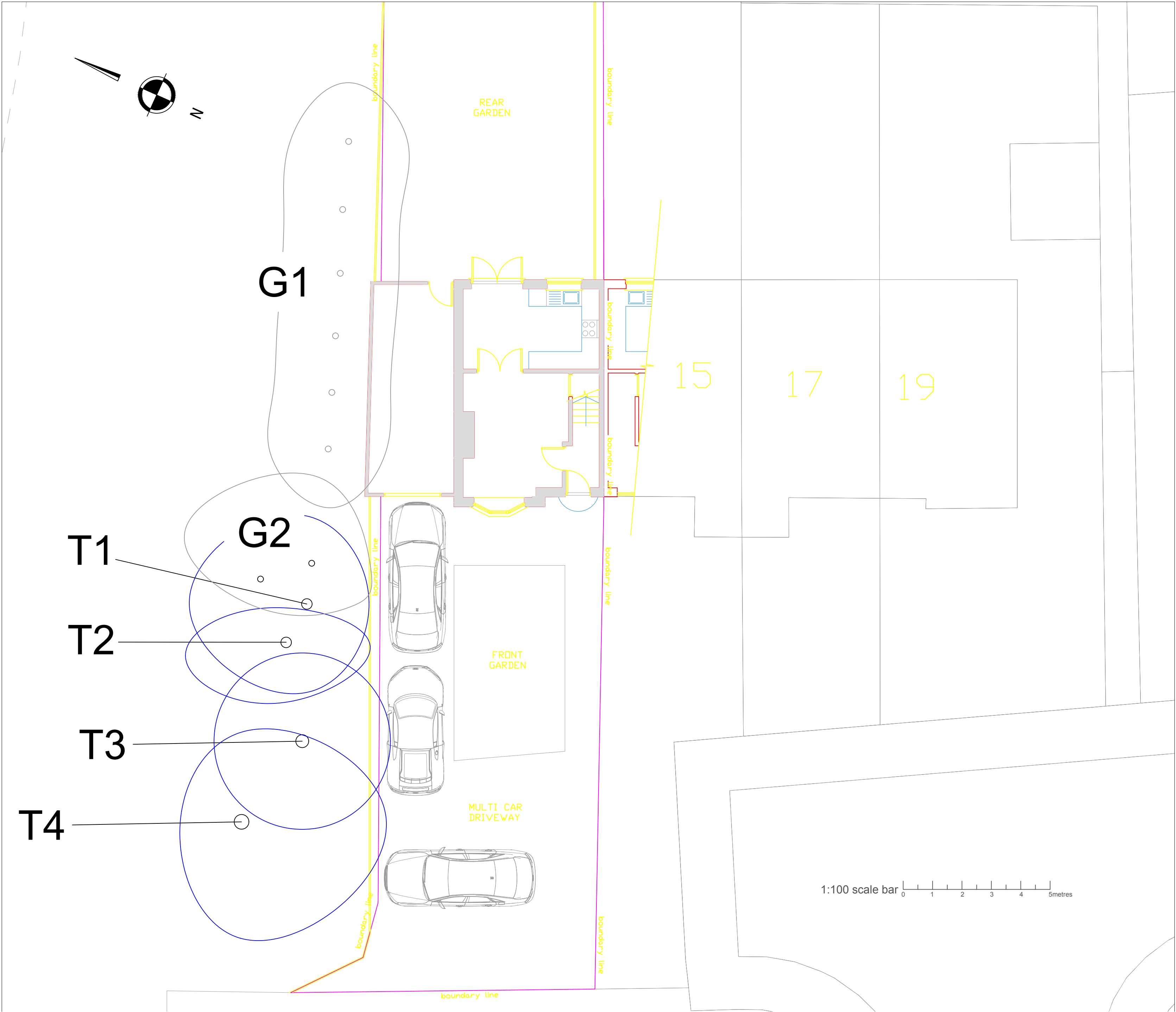
MPTREES

Appendix 1

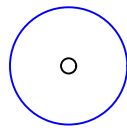
MPTrees

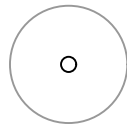
101 Marsden Avenue, St Helens, Merseyside WA10 4DY

t: 01744604250, m: 07575360202, e: matthew@mptrees.com, www.mptrees.com



LEGEND

- 

Category B Trees as per BS5837: 2012 recommended for retention.
- 

Category B Trees as per BS5837: 2012 recommended for retention.

- Notes:
1. Plan to be read in conjunction with MPTrees AIA&AMS, 11 Riesling Drive, September 2021.
 2. Do not scale from this drawing as printing may distort the scale. Work from figured dimensions only.

	MP	CS	MP		06.09.2021
VERSION	DRWN	CHKD	REVD		DATE
DRAWING NO.				MPT224.01.21	
 MPTREES				101 Marsden Ave., St Helens, Merseyside, WA10 4DY Tel: 01744 604250 / 07575360202 e-mail: matthew@mptrees.com www.mptrees.com	

CLIENT:
Mr P Reynolds
LOCATION:
11 Riesling Drive, Kirkby
DRAWING TITLE:
Tree Survey Plan
SCALE:
1:100 @ A2

Appendix 2

BS5837: 2012 Tree Data Tables

Site: 11 Riesling Drive

Date: 02/09/2021

Key:

T. No.: Tree number (T = Tree, G – Group, W = Woodland, H = Hedge, Cpt. = Compartment)

Ht: Height of tree/group of trees measured in meters (to nearest 0.5m)

Species: Common name used

Stem DBH: Diameter at Breast Height measured at 1.5m above ground level (in mm to nearest 10mm)].

RPA Area & Radius: Root Protection Area dimensions in m²/m

Branch Spread: in meters to each of the four cardinal points (to nearest 0.5m)

Crown Cl.: Canopy ground clearance (to nearest m)

Age Class: Y=Young, SM=Semi Mature, EM=Early Mature, M=Mature, FM=Fully Mature, D=Dead

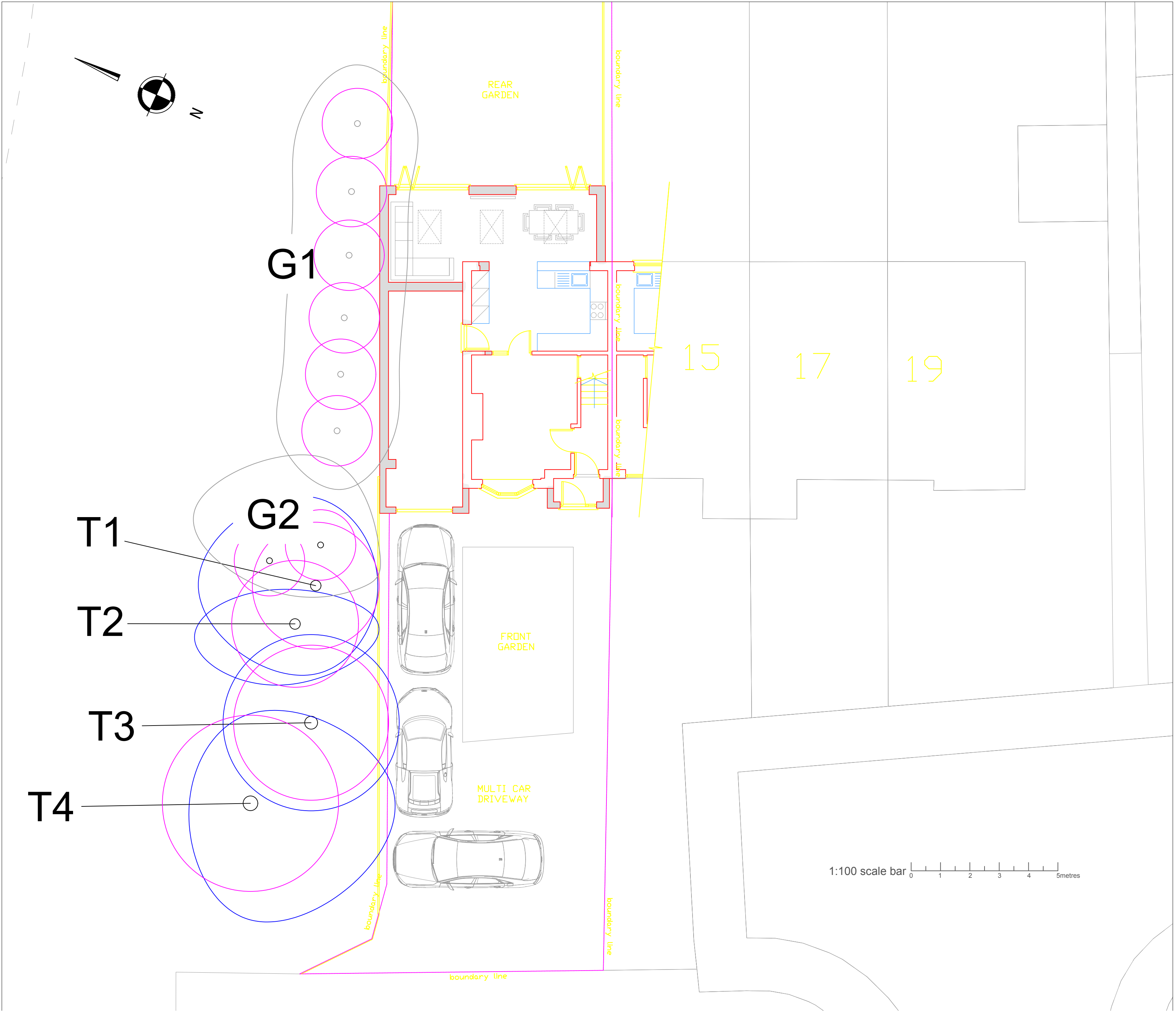
Observations and Recommendations: General observations and preliminary recommendations made in respect of known/intended use of the site

Est. (yrs): Estimated remaining contribution in years

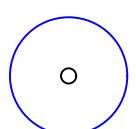
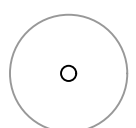
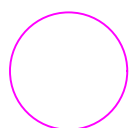
Cat.: Tree Category in accordance with Table 1 of BS5837: 2012

T. No	Species	Ht.	Stem DBH	RPA Area & Radius	Branch Spread				Crown Cl.	Age Class	Observations & Recommendations	Est. Yrs	Cat.
					N	S	E	W					
G1	Elder	4	100	4.52	2	2	2	0	0	EM	Approx 6 trees in linear group adjacent rear boundary. All multi stem at base. Roots and canopy will require consideration.	20	C2
				1.20									
G2	Hazel	4	100	4.52	3	1	0	3	0	EM	Two multi stem trees canopies all to north west.	40	C2
				1.20									
T1	Goat Willow	5	180	14.66	4	2	3	3	1	EM	Multi stem at base with numerous leading stems.	40	B2
				2.16									
T2	Goat Willow	5	180	14.66	4	3	1	2	1	EM	Multi stem at base.	40	B2
				2.16									
T3	Goat Willow	5	220	21.90	3	3	3	3	2	EM	Twin stem at 1.5m. Semi mature hazel stems and young self seeded silver birch around base.	40	B2
				2.64									
T4	Goat Willow	5	250	28.27	2	5	3	4	1	EM	Main stem leans north west. Twin stem at 3m with large included union. All shrubs part of formal landscaping of estate, willows self seeded. Together offer screening to public green space and properties opposite.	40	B2
				3.00									

Appendix 3



LEGEND

-  Category B Trees as per BS5837: 2012 recommended for retention.
-  Category B Trees as per BS5837: 2012 recommended for retention.
-  Nominal Root Protection Area as per BS5837: 2012 of trees recommended for retention.

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CLIENT:
Mr P Reynolds

LOCATION:
11 Riesling Drive, Kirkby

DRAWING TITLE:
Tree Protection Plan

SCALE:
1:100 @ A2