

Arboricultural method statement

59 Redington Road, London

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Report purpose

This arboricultural method statement is prepared in response to the local planning authority (LPA) **Condition 4** of the Planning Consent (Appendix 1) dated **5**th **May 2017** (LPA reference, **2015/5882/P**). It describes how trees will be protected and managed during the development of the site. Its purpose is to explain how and when the protection measures should be installed, and how they will be maintained for the duration of the development activity.

More specifically, the consented development is for the excavation of a new swimming pool and erection of associated pitch roof single storey enclose with dressing room within the rear garden area and a pergola connecting the main house with the pool at 59 Redington Road, London.

This report includes:

- A **Tree protection plan** illustrating relevant tree details, the location of the consented development, and the proposed tree protection measures.
- An **Arboricultural method statement** (section 1 of the report) describing how retained trees will be protected and managed during the development activity.
- Appendices (Appendix 1 Copy of planning conditions; Appendix 2 Background administrative information and data collection; Appendix 3 Tree schedule and explanatory notes; and, Appendix 4 QR Codes for SGNs).
- A companion document to supplement the main report titled *Manual for managing trees on development sites* (Version 2.1), which provides explanations of how retained trees will be managed on site in the form of Site Guidance Notes (SGNs) covering the relevant issues.



1: Arboricultural method statement

1.1 Site Guidance Notes (SGNs)

This arboricultural method statement identifies which trees on this site will be protected and managed, and by what means. This site-specific summary is supplemented by more detailed explanations and descriptions of specific operations set out in the accompanying *Manual for managing trees on development sites*. That document is a compilation of 12 individual SGNs addressing the following tree protection and management issues that regularly arise in the construction phase of development:

- SGN1 Monitoring tree protection (<u>www.barrelltreecare.co.uk/technical-guidance/sgn01</u>)
- SGN2 Fencing protected trees (<u>www.barrelltreecare.co.uk/technical-guidance/sgn02</u>)
- SGN3 Ground protection (<u>www.barrelltreecare.co.uk/resources/technical-guidance/sgn03</u>)
- SGN4 Pollution control (www.barrelltreecare.co.uk/resources/technical-guidance/sgn04)
- SGN5 Site cranes & piling rigs (www.barrelltreecare.co.uk/technical-guidance/sgn05)
- SGN6 Height restrictions (www.barrelltreecare.co.uk/resources/technical-guidance/sgn06)
- SGN7 *Excavating in RPAs* (<u>www.barrelltreecare.co.uk/technical-guidance/sgn07</u>)
- SGN8 *Removing surfacing and structures in RPAs* (<u>www.barrelltreecare.co.uk/technical-guidance/sgn08</u>)
- SGN9 Installing/upgrading surfacing in RPAs (<u>www.barrelltreecare.co.uk/technical-guidance/sgn09</u>)
- SGN10 Installing structures in RPAs (<u>www.barrelltreecare.co.uk/technical-guidance/sgn10</u>)
- SGN11 Installing services in RPAs (<u>www.barrelltreecare.co.uk/technical-guidance/sgn11</u>)
- SGN12 Landscaping in RPAs (<u>www.barrelltreecare.co.uk/technical-guidance/sgn12</u>)

NOTE: Each individual SGN can be downloaded by using the links above and the QR Code links in Appendix 4.

1.2 Identification of areas to be protected

The tree protection plan shows the areas where protective measures are necessary. The fencing location is shown by the heavy black dashed lines, with the construction exclusion zone behind as the lighter black diagonal hatch. Where appropriate, precautionary areas are shown by a yellow fill and new temporary ground protection is shown by a blue fill.

1.3 Arboricultural supervision

An arboricultural consultant will be appointed to advise on the tree management for the site and to attend:

- a pre-commencement meeting before any work starts;
- regular supervision visits to oversee the agreed tree protection, as agreed at the precommencement meeting; and
- further supervision visits, as necessary, to oversee any unexpected works that could affect trees.

The detail of how the arboricultural supervision will be carried out is explained in SGN 1 *Site monitoring* in the accompanying Manual.



1: Arboricultural method statement

1.4 Table 1: Summary of the site operations requiring arboricultural input

For this site, arboricultural input will be needed for the following operations:

Brief operation summary	Trees affected	Location of detailed explanations
Pre-commencement meeting: Meeting on site with all parties to agree protective measures, as described in SGN 1. <u>Will be carried out before any significant site works begin.</u>	All trees	SGN 1 Monitoring tree protection
Tree felling and pruning: Contractor will carry out agreed works as described in Appendix 3. <u>Will be completed before any significant site works begin.</u>	Fell T1, T2, T3, T6, T7	Appendix 3
Installing fencing and ground protection: Agreed tree protection measures will be installed and checked, as described in SGN 2 and SGN 3. <u>Will be completed before any significant site works begin.</u>	Fencing all retained trees Ground protection for tree T8	Tree protection plan, SGN 2 Fencing protected trees, and SGN 3 Ground protection
Pollution control near retained trees: Any pollution control measures identified during risk assessment will be installed as described in SGN 4. <u>Will be completed before any potential pollutants arrive on site.</u>	All trees	SGN 4 Pollution control
Regular arboricultural supervision: Provision will be made to carry out and record agreed arboricultural supervision, as described in SGN 1.	All retained trees	SGN 1 Monitoring tree protection
Excavating in RPAs: These operations will be carried out as described in SGN 7.	Т8	SGN 7 Excavating in RPAs
Installing/upgrading surfacing in RPAs: These operations will be carried out as described in the SGN 9.	T8 and T11	SGN 9 Installing/upgrading surfacing in RPAs
Installing structures in RPAs: These operations will be carried out with care, as described in SGN 10.	T8 and T11	SGN 10 Installing structures in RPAs
Installing services in RPAs: These operations will be carried out with care, as described in SGN 11.	All retained trees	SGN 11 Installing services in RPAs
Landscaping in RPAs: These operations will be carried out with care, as described in SGN 12.	All retained trees	SGN 12 Landscaping in RPAs
Removing tree protection: Protection can only be removed when there is no risk of damage to retained trees.	All retained trees	SGN 1 Monitoring tree protection

The operations summarised in this table, and supplemented by the more detailed explanations set out in the SGNs and the rest of this document, form the arboricultural method statement for this site. The Site Manager will ensure that its details and any agreed amendments are known and understood by all site personnel. Copies of the agreed documents will be available on site. All personnel who could have an impact on trees will be briefed on the specific tree protection requirements as part of the site induction procedures. This requirement will be written into the site management documentation.

If unanticipated issues arise on site not referenced in the above explanations, further guidance on how to manage them can be found in the accompanying Manual.

Appendix 1: Copy of planning conditions



Appendix 1: Copy of planning conditions







	Background administrative information			
Report date & reference	18 th March 2020; 19055-AMS-PB			
Tree protection plan reference	BT2			
Instructing client	MY Construction & Carpentry Ltd			
Instructions	Visit the site, assess the relevant trees, prepare a schedule of their details, describe the impact of the proposal on those trees and identify the tree protection issues in an arboricultural method statement with a tree protection plan, if appropriate.			
Provided documents	 Drawing reference 'PLPH 01-226-2018', received by email on 3rd April 2019 Drawing reference 'A-00', received by email on 10th March 2020 			
Report author and credentials	Phil Brophy has taken and passed the LANTRA Professional Tree Inspection course (<u>https://www.lantra.co.uk/awards/product/professional-tree-inspection</u>), is a Chartered Forester (<u>www.charteredforesters.org</u>), and a professional member of the Arboricultural Association (<u>www.trees.org.uk</u>), and is fully qualified to undertake the assessments in this report (<u>https://www.barrelltreecare.co.uk/who-we-are/</u>).			
Report limitations	 A number of trees within the site are subject to tree preservation order and the site itself is located within a designated Conservation Area. As such no works can be undertaken to the trees (bar certain exemptions) without formal consultation/application to the LPA or the issuing of a formal discharged planning consent. This report does not consider ecological or archaeological issues, or any other matter beyond the assessment of the trees. 			

A2.1 Table 2: Background administrative information

A2.2 Table 3: Data collection

	Data collection			
Date of site visit	19 th February 2020			
People present during site visit	Phillip Brophy			
Weather & visibility	Dull, overcast and damp, with average to poor visibility.			
Limitations to observations	 The inspection of the trees for the purposes of assessing their condition and work requirements was made on the basis that they will be annually inspected in the future to identify any changes in condition and review the original recommendations. For these reasons, the tree assessment advice only remains valid for one year from the date that the trees were last inspected. All observations were of a preliminary nature and did not involve any climbing or detailed investigation beyond what was visible from accessible points at ground level. Observations of trees outside the site boundaries are confined to what was visible from within the site. All dimensions were estimated unless otherwise indicated. 			
Tree location and	Each tree was inspected, and the numbering scheme is indicated on the tree			
numbering	protection plan.			
Recording of tree data	For each identified tree, information collected was recorded on the tree schedule in Appendix 3 and the tree protection plan.			

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Appendix 2: Background administrative information and data collection

	Data collection			
Compliance of data collection with BS 5837	The data collection is fully compliant with the advice in subsection 4.4.2 of BS 5837. When collecting this information, specific consideration was given to any low branches that may influence future use, age class, physiological condition, structural condition, and remaining contribution. Where appropriate, crown spreads were also noted where they differed from those shown on the provided land survey.			
Calculation of RPAs	Following the recommendations in Table D1 of BS 5837, the diameter of each tree was rounded up to the next 2.5cm increment, with the radius of a nominal circle and the resultant RPA taken directly from that table. This information is listed for each tree in the tree schedule in Appendix 3.			

NOTE: Colour annotation is A & B trees with green background; C & U trees with blue background; trees to be removed in red text.

Tree No	Species	Height (m)	Diameter (cm) @ 1.5m	Maturity	Low Branches	Category	Notes	Tree Works	RPA radius (m)	RPA area (m2)
All retained trees								Carry out safety check		
T1	Laurel	10	65	Mature	-	C	Appears to be undermining boundary wall, very poor structural form, multi stemmed at ground level	Fell	7.8	191
T2	Laurel	10	0	Mature	-	С	Three stems from ground level (one past structural fracture), past pruning of canopy to clear boundary	Fell	0.0	0
Т3	Laurel	9	47.5	Mature	-	С	Multi stemmed at ground level, past pruning to clear boundary	Fell	5.7	102
T4	Cherry	13	20	Young	-	C	Located on adjacent land, young but established tree	-	2.4	18
T5	Tulip tree	17	45	Maturing	-	В	Located on adjacent land, slight asymmetry within upper canopy	-	5.4	92
T6	Cherry	6	35	Mature	-	C	Ornamental garden feature, squat canopy form that has been suppressed by laurel growth	Fell	4.2	55
T7	Laurel	9	45	Mature	-	С	Poor structural form, asymmetric from ground level	Fell	5.4	92

Tree No	Species	Height (m)	Diameter (cm) @ 1.5m	Maturity	Low Branches	Category	Notes	Tree Works	RPA radius (m)	RPA area (m2)
T8	Oak	17	105	Over mature	-	В	Small fruiting body (Beefsteak fungus) noted at base, deadwood throughout canopy, signs of past canopy reduction	-	12.6	499
Т9	Oak	10	80	Maturing	-	C	Marginal category C tree, retained as high stump	-	9.6	290
T10	Beech	13	40	Maturing	-	В	Located within adjacent garden	-	4.8	72
T11	Beech	17	80	Maturing	-	А	Located within adjacent garden	-	9.6	290

Explanatory Notes

- Abbreviation:
 - T: Tree

Botanical tree names:

Cherry	: Prunus sp
Laurel	: Prunus laurocerasus
Oak	: Quercus robur
Tulip tree	: Liriodendron tulipifera

- BS 5837 (2012) compliance: All data has been collected based on the recommendations set out in subsection 4.4 of BS 5837.
- Tree inspections and site limitations: Each tree was subjected to a quick visual check level of inspection. Where there is restricted access to the base of a tree, its attributes are assessed from the nearest point of access. Climbing inspections are not carried out during this level of inspection and, if heavy ivy is present, tree condition is assessed from what can be seen from the ground. A separate note is recorded if further investigation may be required to clarify its status.
- **Crown spreads:** Crown spread dimensions are not listed in the tree schedule because they are illustrated on the land survey base to all the plans in this document. Where crown spreads of significant trees on site are found to deviate from those shown on the provided land survey, we have noted it in the text of the report and annotated it on our plans.
- Dimensions: All dimensions are estimated unless otherwise indicated with an asterix (*) after the figure.
- **Species:** Species identification is based on visual observations. Where there is some doubt over tree identity, sp is noted after the genus name to indicate that the species cannot be reliably identified at the time of the survey. Where there is more than one species in a group, only the most frequent are noted and not all the species present may be listed.
- Height: Height is estimated to provide a broad indication of the size of the tree.
- Trunk diameter: Trunk diameter is estimated or measured (with a diameter tape), at the discretion of the consultant, and recorded in 2.5cm increments as advised in BS 5837 Table D1. Estimates may be made where access is restricted, direct measurement is prevented because of ivy on the trunk, or the tree is assessed as low quality. The point of measurement and the adjustments for stem variations are as advised in Figure C1 of BS 5837.
- Maturity: In planning context, maturity provides a simplistic indication of a tree's ability to cope with change and its potential for further growth. For the purposes of this report, young indicates a potential to significantly increase in size and a high ability to cope with change, maturing indicates some potential to increase in size and a medium ability to cope with change, and mature indicates little potential to increase in size and limited ability to cope with change.
- Low branches: Any low branches that would not be feasible for removal during normal management and should be considered as a design constraint are noted here and explained in the notes.
- **Category:** Our assessment automatically considered tree physiological/structural condition (BS 5837, 4.4.2.5h), and so these are not listed separately in the schedule. Additionally, the category accounts for the remaining contribution (BS 5837, 4.4.2.5i) as greater than 40 years for A trees, greater than 20 years for B trees, at least 10 years for C trees and less than 10 years for U trees, so this is also not listed separately in the schedule. Category A, B and C trees are automatically listed as sub-category 1 unless otherwise stated.
- Notes: Only relevant features relating to physiological or structural condition and low branches that may help clarify the categorisation are recorded. If there are no notes, then the presumption should be that no relevant features were observed.
- **Tree works:** The recommended tree works are based on the quick visual check level of inspection and only intended to address significant hazards identified during that inspection. The following points should also be considered before carrying out any works:
 - 1. **Reporting during work operations:** In the context of the preliminary nature of the tree inspection, any defects that may affect tree safety discovered by the contractor when carrying out the work recommendations should be reported to the supervising officer. Modification to the schedule of works may be required because of these reports. The contractor should be specifically instructed on this point.
 - 2. **Implementation of works:** All tree works should be carried out to BS 3998 *Recommendations for Tree Work* as modified by more recent research. It is advisable to select a contractor from the local authority list and



preferably one approved by the Arboricultural Association. Their Register of Contractors is available free from The Malthouse, Stroud Green, Standish, Stonehouse, Gloucestershire GL10 3DL; phone 01242 522152; website <u>www.trees.org.uk</u>.

- 3. **Statutory wildlife obligations:** The Wildlife and Countryside Act 1981 as amended by the Countryside and Rights of Way Act 2000 provides statutory protection to birds, bats and other species that inhabit trees. All tree work operations are covered by these provisions and advice from an ecologist must be obtained before undertaking any works that might constitute an offence.
- 4. **Stumps:** Stumps to be removed within the RPAs of retained trees should be ground out with a stump grinder to minimise any disturbance unless otherwise authorised by the supervising officer.
- Future tree safety inspections: Due to the time that may elapse between the original survey and the start of development, all trees should be re-inspected as part of the standard risk management process before any works start on site. Our assessment of the trees was carried out on the basis that a re-inspection would be carried out within a year of the assessment visit and our advice on tree condition <u>must</u> be reviewed annually from the date of that visit.



Appendix 4: QR Codes for SGNs (Scan with reader to download)

SGN 1 Monitoring tree protection	SGN 2 Fencing protected trees	SGN 3 Ground protection
SGN 4 Pollution control	SGN 5 Site cranes & piling rigs	SGN 6 Height restrictions
SGN 7 Excavating in RPAs	SGN 8 Removing surfacing and structures in RPAs	SGN 9 Installing/upgrading surfacing in RPAs
SGN 10 Installing structures in RPAs	SGN 11 Installing services in RPAs	SGN 12 Landscaping in RPAs



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