

Landmark Trees

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**ARBORICULTURAL METHOD STATEMENT:**

31 Elsworthy Road  
London  
NW3 3BT

**REPORT PREPARED FOR:**

Private Client c/o Valouran  
30 Broadwick Street  
London  
W1

**REPORT PREPARED BY:**

Adam Hollis  
MSc ARB MICFor FArbor A MRICS C Env

**Ref:** BBP/31EWR/AMS/01a

**Date:** 25<sup>th</sup> March 2024

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## 1.0 Introduction

### 1.1 Purpose & Use of the Method Statement

1.1.1 This method statement has been prepared for Valouran's client, for assistance with the discharge of planning conditions at 31 Elsworth Road, London NW3 3BT: London Borough of Camden planning permission no.: 2021/1527/P. The document will address the following conditions:

7 Prior to the commencement of any works on site, details demonstrating how trees to be retained shall be protected during construction work shall be submitted to and approved by the local planning authority in writing. Such details shall follow guidelines and standards set out in BS5837:2012 "Trees in Relation to Construction". All trees on the site, or parts of trees growing from adjoining sites, unless shown on the permitted drawings as being removed, shall be retained and protected from damage in accordance with the approved protection details.

Reason: To ensure that the development will not have an adverse effect on existing trees and in order to maintain the character and amenity of the area in accordance with the requirements of policies A2 and A3 of the London Borough of Camden Local Plan 2017.

1.1.2 This document lays down the methodology for any proposed works that may have an effect upon the trees on and adjacent to the site. It is essential within the scope of any contracts related to the development proposals that this method statement is observed and adhered to. It is recommended that this document form part of the work schedule and specification issued to the building contractors and can be used to form part of the contract.

1.1.3 Copies of this document will be available for inspection on site. The developer will inform the local planning authority within twenty-four hours if the arboricultural consultant is replaced.

### 1.2 Terms of Reference

1.2.1 We (LT) are instructed to prepare a method statement for proposed development based on the above planning application with reference to BS 5837:2012 Trees in Relation to Design, Demolition and Construction.

1.2.2 For this purpose, the client has supplied us with a site survey plan (L10058 - T) and the consented drawings (floor plans, structural drawings, Construction Management Plan etc.) as found on the council's website. We are also reliant upon our own impact assessment report BBP/31EWR/AIA/01d and plan overlays of tree constraints contained therein.

- 1.2.3 Whilst we endeavour to review all relevant documentation / plans prior to producing this method statement, there may be instances where this is not possible or they are not available at the time of writing. Those responsible for designing elements including temporary works that may affect trees should recognise the primacy of the tree protection details contained herein and follow its provisions or alert us to potential conflicts.
- 1.2.4 Adam Hollis re-surveyed the trees on site on the 15<sup>th</sup> of March 2024 in order to provide an accurate assessment of the constraints trees on the site pose.

### 1.3 Development Proposals & Potential Impacts

- 1.3.1 The principal proposals are for: *New basement extension to include a pool and rear lightwell, alteration and retention of balconies at second floor rear, alterations to window openings to side elevation, new garage doors and changes to the rear elevation, all to dwelling.*

### 1.4 Sequence of Works

- 1.4.1 The sequence of works will be as follows:
- initial tree works – felling, stump grinding and pruning for working clearances
  - installation of Tree Protection Barrier (TPB) & ground protection
  - installation of underground services
  - main construction
  - removal of TPB & ground protection
  - hard landscaping
  - soft landscaping

*These works and their arboricultural implications are outlined in sequence below*

## 1.5 Site Supervision

1.5.1 On this site, a site manager will be nominated to be responsible for all arboricultural matters on site. A pre-commencement site briefing/meeting between the site manager and arboricultural consultant will be held (see Table 1 below). The site manager's details will be issued to the London Borough of Camden in the minutes / site monitoring report for this meeting. During this meeting all the tree protection methods below will be studied and familiarization with requirements of this AMS.

The site manager will also:

- be present on site for the majority of the time;
- have the authority to stop any work that is causing, or has the potential to cause harm to any tree;
- be responsible for ensuring that all site operatives are aware of their responsibilities toward trees on site and the consequences of the failure to observe these responsibilities;
- make immediate contact with the Arboricultural consultant in the event of any tree related problems occurring, whether actual or potential, in accordance with a tree protection protocol (see section 1.6 below).

1.5.2 At this stage, the nominated Key Personnel are as follows:

|  |                           |
|--|---------------------------|
| <p>Adam Hollis<br/> <b>Arboricultural Consultant</b><br/>         Landmark Trees<br/>         info@landmarktrees.co.uk</p> | <p>Tel: 0207 851 4544</p> |
|--|---------------------------|

## 1.6 Site Monitoring

1.6.1 Landmark Trees are to be retained as Arboricultural Consultants responsible for site monitoring for the duration of the development. As noted above Adam Hollis MSc (Arb) is the key contact, with monitoring occasionally undertaken by Conor Fitzpatrick (subject to any new staff intake). Site supervision will be undertaken by a qualified and experienced arboriculturalist at pre-determined and agreed time intervals as indicated in Table 1 below. In addition to specific task supervision, general monitoring of protection measures will be undertaken at least once per month, coordinated where practical with visits detailed in Table 1.

1.6.2 Routine visits will generally be unannounced. However, the arboriculturalist will also visit subject to advance notification (2 weeks) and agreement to supervise any agreed works within the RPA, in accordance with table 1 below.

- 1.6.3 A tree protection protocol for contingencies will be integrated into the site induction process at a pre-commencement meeting involving the developer, the arboricultural consultant, the site manager and the Council tree officer as appropriate. The protocol will be that, in the event of any unplanned incursion / accident / spillage within the RPA, the site agent should notify (by telephone) the retained arboricultural consultant immediately. The consultant will provide advice and attend site as soon as possible. This may require the stoppage of all or part of the works in the vicinity of the tree. The consultant will notify the LPA Tree Officer of the nature and extent of damage, the mitigation strategy and likely prognosis. The contact details of the LPA Tree Officer are:

Tom Little    Tel: 0207 974 4444  
**Tree and Landscape Officer (Planning)**  
London Borough of Camden  
tom.little@camden.gov.uk

- 1.6.4 The site monitoring sheet in Appendix 3 will be used to provide photographic evidence, indicate the remedial action required and timescales for remediation completion. The consultant and officer will further liaise as necessary (perhaps meeting on site) until the officer is satisfied that protection measures are again satisfactory. The action in response to incidents will be commensurate with and appropriate to the nature of any such incident. Any breach of the stipulated timescale for remediation will trigger a further monitoring report.

- 1.6.5 Supervision will require the arboricultural consultant to be present during the key elements of proposed incursions into the protection areas, and likewise for any unplanned incursions which the LPA have approved. If the arboricultural consultant is satisfied and that the specific task is proceeding in accordance with the methodology set out in the AMS, after an appropriate briefing, the supervision for the task may be reduced to telephone and email contact between the site manager and arboricultural consultant. Ongoing routine site monitoring continues as per Table 1.
- 1.6.6 The Local Authority will be accorded free access to the site subject to H&S requirements; as noted at 1.6.3, any problems will be reported directly to Arboricultural consultant, who will then visit the site and make recommendations to the developer on how best to rectify the situation and ensure implementation. As noted in Table 1 below, a final sign-off visit will be carried out at the end of the development and a formal letter sent to both the client and the London Borough of Camden indicating an end to the monitoring period. It is the client's duty to notify LT that the project has been completed, in order to facilitate such an inspection.
- 1.6.7 Landmark Trees will be instructed to provide the above monitoring. In the absence of routine payment (as per our business terms), routine monitoring will cease (temporarily or permanently) and the London Borough of Camden will be informed of the cessation of monitoring. The client will also reserve the right to dismiss Landmark Trees and replace with another arborist, but must inform the London Borough of Camden.

Table 1: Site Monitoring Visits

| Supervision Visit No:  | Details   | Lead in Time Required by LT | Action   |
|--|---|-----------------------------|--|
| <b>Visit 1:<br/>Pre-Development Site Inspection (S.2.3 of AMS)</b>                 | <ul style="list-style-type: none"> <li>To include Site Agent briefings (S.1.5) prior to construction phase.</li> <li>To confirm position of protective fencing and that it has been erected in accordance with AMS (S.2.2 and Tree Protection Plan in Appendix 4);</li> <li>To check any pre-demolition/construction ground protection is in place.</li> <li>To check any tree works have been undertaken in accordance with this AMS (S.2.1. and Appendix 1).</li> <li>Determine if further tree work is required and seek required permission if necessary.</li> <li>To check site facilities/access are in accordance with the AMS (S.3.3).</li> </ul> | Minimum 2 weeks             | Issue a brief report with findings to Architect, Tree Officer and Main Contractor within 5 days of site supervision visit (Site Monitoring Sheet in Appendix 3). |
| <b>Visit 2:<br/>Installation of piling within RPA (S3.7)</b>                       | <ul style="list-style-type: none"> <li>Attend any excavation within RPA's where arboricultural supervision is prescribed by the AMS to ensure work is undertaken in accordance with its specification.</li> <li>Date to be confirmed following formal project planning.</li> <li>2 weeks prior notice required.</li> </ul>  | Minimum 2 weeks             | Issue a brief report with findings to Architect, Tree Officer and Main Contractor within 5 days as per visit 1   |
| <b>Visit 3:<br/>Driveway replacement within RPA</b>                                | <ul style="list-style-type: none"> <li>Attend any works within RPA's where arboricultural supervision is prescribed by the AMS to ensure work is undertaken in accordance with its specification.</li> <li>Date to be confirmed following formal project planning.</li> <li>2 weeks prior notice required.</li> </ul>   | Minimum 2 weeks             | Issue a brief report with findings to Architect, Tree Officer and Main Contractor within 5 days as per visit 1   |
| <b>Ongoing Monitoring Visits</b>   | <ul style="list-style-type: none"> <li>Periodically during 12 months (or longer) of entire project and <u>prior to construction phase</u>.</li> <li>Visits will be based on intensity of site operations, but at a minimum of monthly visits.</li> <li>Attend site at least once per month to confirm protective measures are still in place / can be removed at appointed times. Ensure attendance is timed for any other key elements of proposed (and any other unplanned) incursions into the protection areas.</li> <li><u>Pre-start landscape meeting</u> with main contractor to confirm ongoing tree protection measures.</li> </ul>              | TBC as project develops     | Issue a brief report with findings to Architect, Tree Officer and Main Contractor within 5 days as per visit 1   |
| <b>Final Site Visit - Completion of construction phase supervision visit (S.5)</b> | After it has been confirmed that the construction phase is complete, allow removal of temporary protective fencing and ground protection. Specify any remedial work if necessary.   | Minimum 2 weeks             | Issue a brief report with findings to Architect, Tree Officer and Main Contractor within 5 days as per visit 1   |



## 2.0 Pre- Development Site Preparation

### 2.1 Arboricultural Works

2.1.1 All works must be carried out by a competent arborist in accordance with BS 3998: 2010 and any other prevailing good professional practice including BS 8545:2014 Trees: from nursery to independence in the landscape. Recommendations.

2.1.2 Specific works recommended to facilitate development are the felling of T's 1, 5, 8, 9, 10, 11, 12 and 16 and the cutting back of T2 and T7. These specific works to facilitate development are listed in Appendix 1.

### 2.2 Installation of Tree Protection Barrier

2.2.1 The Root Protection Area (RPA) indicates the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability, and where the protection of the roots and soil structure is treated as a priority. The default position is for the RPAs to be fully fenced off to form the boundary of the Construction Exclusion Zone (CEZ), an area based on the RPA, from which access is prohibited for the duration of the project, including the storage of any works materials and equipment.

2.2.2 A Tree Protection Barrier [TPB] comprising steel mesh panels of 2.4m in height ('Heras') shall be erected to protect retained trees. These panels will be mounted on a scaffolding frame as shown in Figure 1 below (this is also Figure 2 of BS5837: Trees in Relation to Design, Demolition and Construction in paragraph 6.2.2.2).

2.2.3 The TPBs are to be erected before any work (other than tree surgery) commences on site, are to remain 'in situ' undamaged for the duration of all work or each phase, and only to be removed once all work is completed. If any work is deemed necessary prior to the erection of fencing a Landmark Trees representative should be informed to enable their presence to oversee the work being carried out.

2.2.4 The location of the RPAs and TPBs are shown in the Tree Protection Plans at Appendix 4.

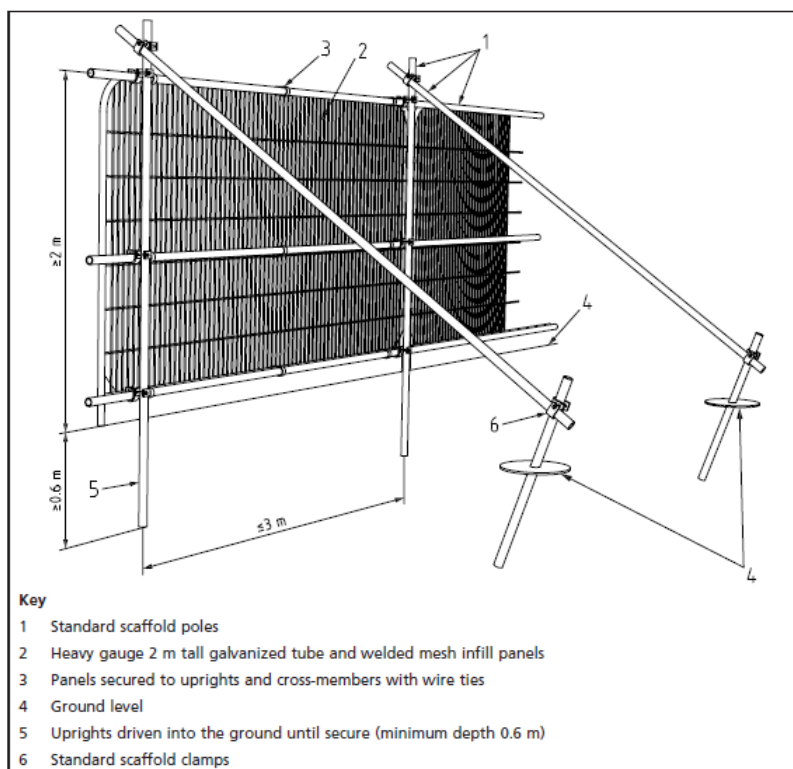


Fig. 1 Tree Protection Barrier Specification  
(Source: Figure 2 from BS5837 - Default specification for protective barrier)

## 2.3 Ground Protection

2.3.1 Extant areas of RPA that cannot be fenced off and therefore lie outside the CEZ must be protected with fit-for-purpose ground protection. The location and type of ground protection is shown in the Tree Protection Plans at Appendix 4. As per paragraph 2.2.3, this ground protection is to be installed before any work (other than tree surgery) commences on site, is to remain 'in situ' undamaged for the duration of all work until the landscape phase and only to be removed once all construction work is completed. In the landscape phase the ground protection at the front of the site will be replaced with a no-dig drive section under arboricultural supervision.

- 2.3.2 In order to provide a greater level of protection (to T14, T15, T17 and T18) than the existing hard surfacing in the front drive, it will be reinforced with steel roadplates of at least 6mm thickness.
- 2.3.3 The unfenced part of T13's RPA will be protected with a minimum of 100mm deep concrete poured onto the existing surface (to within 0.5m distance from the front of the piling line). The extent of this pour will be defined by shuttering to prevent overspill. Where the existing surface is permeable, a HDPE liner or equivalent will be employed. This concrete layer will remain in situ until the completion of construction works and the site being handed over to specialist landscaping contractors. It is ESSENTIAL that a briefing is held with the retained arboriculturalist prior to removal of the ground protection.
- 2.3.4 During resurfacing operations at the end of the development, exposed sub-base will not be left open to vehicular access, but boarded over for temporary pedestrian access only. The replacement paving within RPA will be installed promptly (within 24 hrs of lifting the old pavement).

## 2.4 Soil Mitigation

- 2.4.1 As per paragraph 5.3b of BS5837, mitigation measures to improve the soil environment that is used by a tree for growth should be provided when RPAs are encroached. In this instance, this will take the form of the addition of a 75mm layer of mulch to be applied to soft ground within the Construction Exclusion Zone of affected trees. This layer of mulch will be maintained in place throughout the duration of construction activities.

### 3.0 Development Phase

3.1.1 The following general precautions will apply:

- No fires shall be made on any part of the site, or within 20m of any tree to be retained.
- No spilling or pouring of fuels, oils, solvents, tar shall be made on any part of the site.
- No materials that are likely to have an adverse effect on tree health such as oil, bitumen or cement will be stored or discharged within 10 metres of the trunk of a tree that is to be retained.
- No spillage or discharge of wet mortar or concrete shall be made on any part of the site.
- No storage of materials shall be made within the protective fences.
- No breaching or moving of the protective hoarding without the approval of an arboriculturist.

3.1.2 The procedures for dealing with variations and incidents are detailed in S1.6.

### 3.2 Working within Root Protection Areas (RPA)

3.2.1 Although the default position is to exclude all construction activity from the RPA, this degree of protection is not entirely possible on the site: it is necessary to perform some works (in part) within the RPA i.e. basement formation and driveway replacement.

3.2.2 All involved parties will need to be made aware of the deficiencies. In these instances, careful and supervised working, as described in sections S. 3.6 (demolition of surfaces), S. 3.7 (construction) and S. 3.8 (landscaping) will be required.

### 3.3 Site Access, Accommodation & Storage

3.3.1 Site access will be as per the existing arrangement. Site accommodation and material storage will utilise the site interior / rear garden away from tree RPA.

3.3.2 Delivery lorries will be excluded from RPAs by hoarding and ground protection. Adequate allowance must be made for vehicle heights and ground clearance, where tree canopies overhang access routes. Any further pruning for working clearances must be discussed first with the arboriculturist; once agreed in principle these works should be approved by the appropriate tree officer and approved in writing by the LPA. Materials can be unloaded onto protected ground within RPAs and stored throughout the interior of the site(s) away from protected trees.

### 3.4 Routing & Installation of Services

3.4.1 Every effort should be made to ensure that the routing and installation of services avoid the RPA at the design stage; however if unavoidable then it may be possible, with written permission from the LPA, to implement the provisions of BS5837 and NJUG VOLUME 4 (e.g. radial trenching and /or mole trenching) under arboricultural supervision.

### 3.5 Changes in Grade

3.5.1 No changes in level are proposed beyond the basement excavation itself, and any direct effect of employing a no-dig construction technique for the drive at the front.

### 3.6 Demolition Measures.

3.6.1 During the landscaping phase, the existing hard standing within the RPA of T14, T15, T17 and T18, will be first broken up / loosened with manual power tools as necessary and then carefully removed by hand, leaving the sub-base intact for replacement paving. The contractor will work in a "pull-back" fashion from within the existing hard surfacing. Sub-base exposed beneath the structure will not be scraped away, but preserved in situ and protected immediately (not tracked over) with replacement ground protection (boards) as per para 2.3.4 before the continuance of operations.

### 3.7 Construction Measures

*Detailed method statements and risk assessments will be obtained from all specialist subcontractors involved in the new build and these will be scrutinised by the site agent to ensure the AMS requirements have been considered therein.*

3.7.1 The limits of the basement piling line within the RPA of T13 will be manually pre-excavated to a min. 1m depth and root-pruned (as applicable) under arboricultural supervision. In the unlikely event of discovering roots >25mm diameter, they may only be cut in consultation with the retained arboriculturalist and with the approval of the Local Authority Tree Officer.

3.7.2 During the construction phase and throughout dry periods on site regular hosing down will be carried out to control dust pollution. In the event of dust build up on trees occurring arboricultural advice will be sort and if necessary remedial measures such as hosing down the trees will be taken.

3.7.3 Where scaffolding needs to be installed within the RPA the proposed 100mm concrete will provide sufficient ground protection.

### 3.8 Removal of Ground Protection & Post Construction Landscaping & Treatment

- 3.8.1 The tree protection may be removed upon completion of the construction phase and any site machinery has been removed from the RPA.
- 3.8.2 The replacement paving/hard landscaping will require a no-dig construction technique building upon the existing sub-base with minor augmentation as necessary.
- 3.8.3 The number, species, form and size of new plants and other landscaping detail will be specified within a landscape plan.
- 3.8.4 New trees will be containerised (i.e. grown in a container for at least one season after being lifted), ideally in an air pot, and will have well-established radial root growth including a substantial amount of fibrous rooting within the container. There shall be no circling or girdling roots present.
- 3.8.5 The trees will be of the size specified, true to type and free from discernible pests and diseases. If formative pruning has been carried out, the wounds shall have healthy and continuous bark occlusions. In case of any doubt, the recommendations of BS8545: 2014 Trees: from nursery to independence in the landscape – Recommendations will be adhered to.
- 3.8.6 Before any landscaping works are carried out, there shall be a site meeting between (as a minimum) the retained arboriculturist and the landscaping manager to discuss tree protection measures.
- 3.8.7 All landscaping and associated ground works within RPA will be carried out manually and carefully with due regard for soil and root protection, avoiding changes of ground levels or deep digging. Mechanised cultivation must not be used within any RPAs. If existing soft vegetation is to be removed, this shall be done using hand tools only.
- 3.8.8 Individual planting pits shall be dug by hand for trees and shrubs, there shall be no trench planting.
- 3.8.9 The planting pits of trees shall be square and dug to a diameter at least 500mm greater than the diameter of the root ball. The pit shall be deep enough to accommodate the depth of the root ball to the root collar. Should the sides and bottom of the pit be smeared or compacted, they shall be loosened with a fork to facilitate root penetration.
- 3.8.10 Trees and shrubs shall be planted so that the root collar is level with the finished level of the surrounding soil.
- 3.8.11 Planting pits will be backfilled with the excavated soil following the removal of stones and any foreign objects. This backfilling will be carried out in stages of approximately 150mm depth to allow for light consolidation of the backfill throughout the depth of the planting pit. No air pockets shall be left within the pit.
- 3.8.12 Trees shall be secured in place by being tied to double stakes of pressure-treated, peeled timber. The ties used shall be biodegradable and will be located at a height of not more than one-third of the clear height of the stem.

- 3.8.13 After planting, all trees and shrubs shall be watered slowly under low pressure until the soil around the trunk and an area equivalent to a circle 1000mm in diameter around it is thoroughly moistened.
- 3.8.14 All newly planted trees and shrubs shall be watered at least once a fortnight between March and October. This frequency will be increased according to rainfall and temperature.
- 3.8.15 An area equivalent to a circle 1000mm in diameter around the stems of all newly planted trees shall be mulched with bark or well-rotted woodchip to a depth of 75mm. This mulch should not be laid in direct contact with tree stems. This mulched area shall be hand-weeded once every fortnight between March and October. Any mulch disturbed during this process will be replaced.
- 3.8.16 Tree stakes and ties will be removed within 18 months of planting.

## 4.0 Summary of Proposed Methods

### 4.1 Table of Impacts and Mitigation

4.1.1 The table below summarises the main areas where trees could become damaged by the proposed development and the methods that need to be adopted in order to prevent such damage:

Table 2: Summary of Proposed Methods

| <u>Impact</u>   | <u>Mitigation</u>  | <u>Reference</u>  | <u>Trees Affected</u> |
|---|--|---|-----------------------|
| General site access, material storage etc.                | Ground protection to acceptable standards.   | Paras 2.2.1 & 3.3.3<br>Tree Protection Plan in Appendix 4 | All retained trees    |
| Damage to roots caused by basement excavation within RPA. | Manual excavation of outer limits of basement within RPA to 1m depth with pre-emptive root pruning | Section 3.7   | T13                   |
| Damage to roots caused by provision of new hard surfacing | No-dig construction  | Section 3.8   | T14, T15, T17 & T18   |



## 5.0 Completion

### 5.1 Completion Meeting

- 5.1.1 Following completion of the works listed above, a Landmark Trees consultant will conduct a walkover survey of the trees to review any defects or signs of ill-health, and inform the local authority in a final report as per Table 1. It is the client's duty to notify LT that the project has been completed, in order to facilitate such an inspection. A separate LT post-development tree inspection is recommended to facilitate a constructive meeting.

Signed

Yours sincerely

Adam Hollis  
MSc Arb F Arbor A MICFor HND Hort  
Chartered Forester  
Fellow & Registered Consultant of Arboricultural Association

.....

Adam Hollis MSc ARB MICFor F Arbor A MRICS C Env

25<sup>th</sup> March 2024

For and on behalf of **Landmark Trees**

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## APPENDIX 1: ARBORICULTURAL WORKS

### Notes for Guidance:

#### **1, 2, 3 - Urgent (ASAP), Standard (within 6 months), Non-urgent (2-3 years)**

- RP - Pre-emptive root pruning of foundation encroachments under arboricultural supervision.
- CB - Cut Back to boundary/clear from structure.
- CL# - Crown Lift to given height in meters.
- CT#% - Crown Thinning by identified %.
- CCL - Crown Clean (remove deadwood/crossing and hazardous branches and stubs).\*
- CR#% - Crown Reduce by given maximum % (of outermost branch & twig length)
- DWD - Remove deadwood.
- Fell - Fell to ground level.
- FInv - Further Investigation (generally with decay detection equipment).
- Pol - Pollard or re-pollard.
- Mon - Check / monitor progress of defect(s) at next consultant inspection which should be <18 months in frequented areas and <3 years in areas of more occasional use. Where clients retain their own ground staff, we recommend an annual in- house inspection and where practical, in the aftermath of extreme weather events.
- Svr Ivy / Clr Bs - Sever ivy / clear base and re-inspect base / stem for concealed defects.

\*Not generally specified following BS3998:2010



Site: 31 Elsworthy

Date: 15/03/24

Surveyor(s): Adam Hollis

Ref: BBP/31EWR/AMS

### Appendix 1

## Recommended Tree Works To Facilitate Development

Hide irrelevant

Show All Trees

Landmark Trees

| Tree No. | English Name       | B.S. Cat | Height | Ground Clearance | Crown Spread | Recommended Works | Comments/ Reasons   |
|----------|--------------------|----------|--------|------------------|--------------|-------------------|---|
| 1        | Olive              | C        | 5      | 1.0              | 3112         | Fell              | To facilitate development   |
| 2        | Honey Locust       | B        | 14     | 2.5              | 7566         | CB 3m             | Included bark in main stem unions<br>Deadwood (minor) throughout crown<br>To facilitate development |
| 5        | Magnolia, Southern | C        | 6      | 2.0              | 3112         | Fell              | Basal cavity<br>To facilitate development   |
| '7       | Birch, Himalayan   | B        | 14     | 5.0              | 5575         | CB 2-3m           | To facilitate development   |
| 8        | Cypress, Lawson    | C        | 7      | 2.5              | 1111         | Fell              | To facilitate development   |
| 9        | Magnolia, Southern | C        | 6      | 2.0              | 2323         | Fell              | To facilitate development   |



Site: 31 Elsworthy

Date: 15/03/24

Surveyor(s): Adam Hollis

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### Appendix 1

## Recommended Tree Works To Facilitate Development

Hide irrelevant  
Show All Trees

Landmark Trees

| Tree No. | English Name        | B.S. Cat | Height | Ground Clearance | Crown Spread | Recommended Works | Comments/ Reasons   |
|----------|---------------------|----------|--------|------------------|--------------|-------------------|---|
| 10       | Privet, Chinese     | C        | 5.5    | 2.5              | 3111         | Fell              | To facilitate development   |
| 11       | Hazel, Common       | C        | 5.5    | 1.5              | 0111         | Fell              | Overtaken by root stock<br>corkscrew hazel<br>To facilitate development |
| 12       | Pear, Willow-leaved | C        | 3      | 2.0              | ?            | Fell              | Low vigour<br>To facilitate development                                 |
| 16       | Pine, Bhutan        | C        | 2.5    | 0.5              | 1112         | Fell              | Blister rust<br>To facilitate development                               |

## APPENDIX 2: GENERAL GUIDELINES

- 2.1 All work must be to BS 3998:2010 - '*Recommendations for tree work*'.
- 2.2 Staff carrying out the work must be qualified, experienced and ideally be Arboricultural Association approved contractors, and will be covered by adequate public liability insurance.
- 2.3 Any defects seen by a contractor or the client that were not apparent to the consultant must be brought to the consultant's attention immediately.
- 2.4 No liability can be accepted by the consultant in respect of the trees unless the recommendations of this method statement are carried out under the supervision of a Landmark Trees consultant.
- 2.5 It is advisable to have trees inspected by a consultant regularly. On this site it is recommended that these inspections are made every year.

**APPENDIX 3: SAMPLE SITE MONITORING SHEET**



## Site Monitoring Report Sheet

|  |            |                      |            |
|--|------------|----------------------|------------|
| <b>Client:</b>                         |            | <b>Planning Ref:</b> |            |
| <b>Local Authority:</b>                |            | <b>Date:</b>         |            |
| Site Address:                          |            |                      |            |
| Proposal:                              |            |                      |            |
| <b>Visit Checklist</b>                 | <b>Y/N</b> |                      | <b>Y/N</b> |
| Tree protection barrier (TPB) in place |            | TPB as per approved  |            |
| Ground protection (GP) in place        |            | GP as per approved   |            |
| TPB / GP breached                      |            | Trees damaged        |            |
| Site Agent briefed by LT               |            |                      |            |
| LT briefed by Site Agent               |            |                      |            |
| LPA informed                           |            |                      |            |
| Remedial action required               |            |                      |            |
| <b>Comments</b>                        |            |                      |            |
|  |            |                      |            |
| <b>Recommendations</b>                 |            |                      |            |
|  |            |                      |            |
| <b>Outcome</b>                         |            |                      |            |
| 1                                      |            |                      |            |
| 2                                      |            |                      |            |
| 3                                      |            |                      |            |
| 4                                      |            |                      |            |

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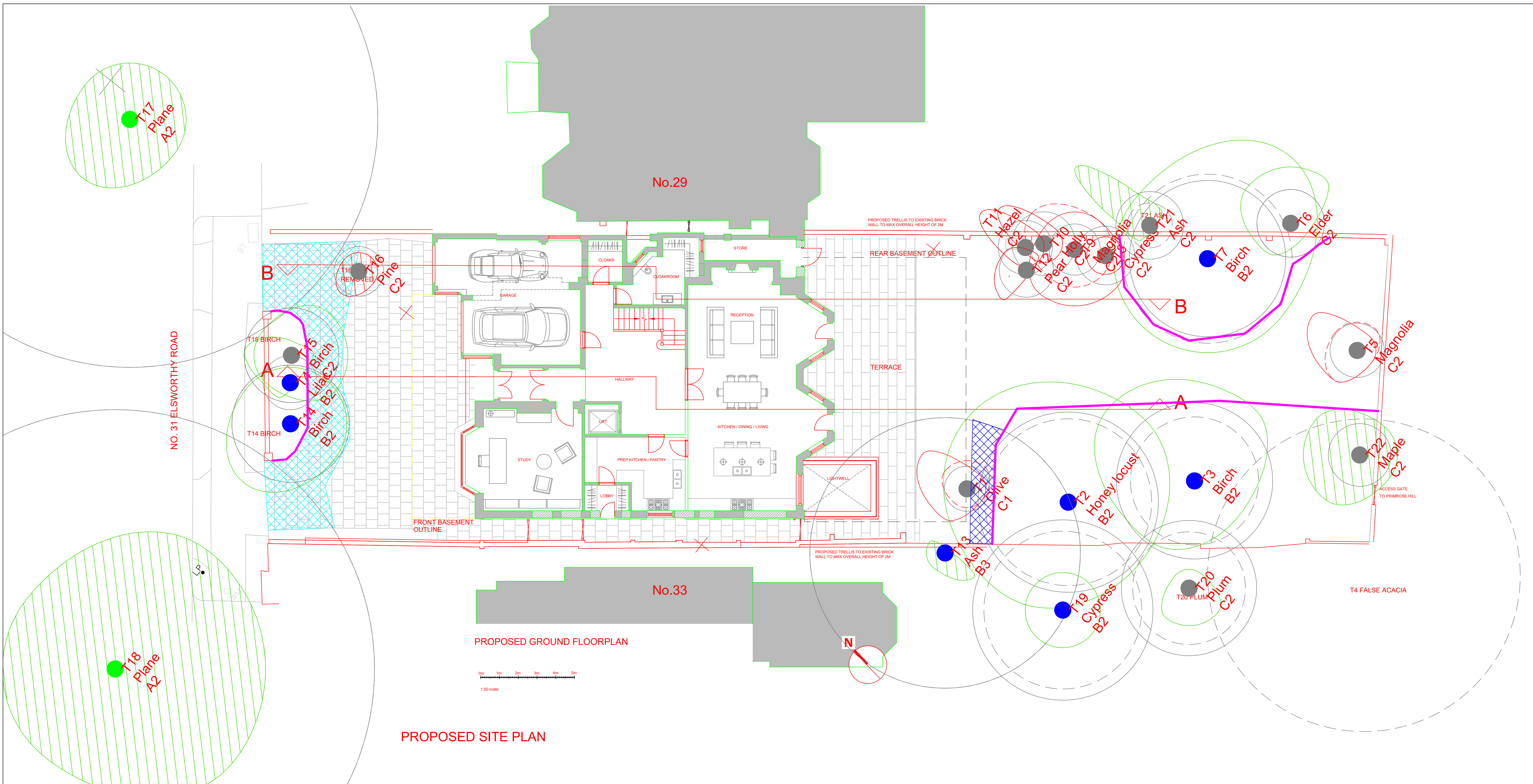


### Arboricultural Supervision Sign off Checklist

| Tree No (s) | Project Phase                           | Task  | Date Completed | Signed (Project arboriculturist) | Signed (Site Manager) |
|-------------|---|---|----------------|----------------------------------|-----------------------|
|             | <b>Pre-commencement</b>                 | Pre-commencement site meeting to include site manager briefing (S.1.5)  |                |                                  |                       |
|             | <b>Pre-commencement</b>                 | Confirm the location and specification of the protective measures is in accordance with AMS & Tree Protection Plan (TPP)  |                |                                  |                       |
|             | <b>Pre-commencement</b>                 | Confirm any tree works have been undertaken in accordance with this AMS (S.2.1/ App 1) and determine if further tree work is required   |                |                                  |                       |
|             | <b>Pre-commencement</b>                 | Seek required permission for further tree works if necessary.   |                |                                  |                       |
|             | <b>Installation of any new services</b> | Attend any excavation within RPA's where arboricultural supervision is prescribed by the AMS (S3.4) to ensure work is undertaken in accordance with NJUG provisions or other specification. |                |                                  |                       |
|             | <b>Demolition</b>                       | Demolition of hard surfaces/ structures within RPA (S3.6)<br>Confirm position of any additional temporary ground protection and that temporary ground protection is in accordance with AMS. |                |                                  |                       |
|             | <b>Completion of Demolition</b>         | Sign off of the demolition phase  |                |                                  |                       |
|             | <b>Construction</b>                     | Supervised manual excavation of foundations   |                |                                  |                       |
|             | <b>Construction</b>                     | Installation of 'No Dig' hard surfacing   |                |                                  |                       |
|             | <b>Construction</b>                     | Additional excavations (if required)  |                |                                  |                       |
|             | <b>Completion of Construction</b>       | Completion of construction  |                |                                  |                       |
|             | <b>Post Construction</b>                | Removal of machinery and materials from site  |                |                                  |                       |
|             | <b>Post Construction</b>                | Dismantle & removal of protective measures  |                |                                  |                       |
|             | <b>Landscaping</b>                      | Completion of Landscaping   |                |                                  |                       |
|             | <b>Project Completion</b>               | Sign off from project arboriculturist   |                |                                  |                       |

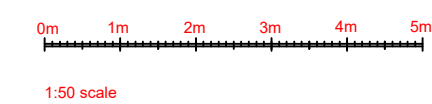


## APPENDIX 4: TREE PROTECTION PLAN



PROPOSED SITE PLAN

PROPOSED GROUND FLOORPLAN



Proposed Site Plan

**NOTE:**  
 This survey is of a preliminary nature. The trees were inspected from the ground only on the basis of the Visual Tree Assessment method. No samples were taken for analysis. No decay detection equipment was employed. The survey does not cover the arrangements that may be required in connection with the laying or removal of underground services.  
 Branch spread in metres is taken at the four cardinal points to derive an accurate representation of the crown.  
 Root Protection Areas (RPA) are derived from stem diameter measured at 1.5 m above adjacent ground level (taken on sloping ground on the upslope side of the tree base).

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Site: 31 Elsworthy Road 1:100@ A1  
 Drawing Title: Tree Protection Plan March 2024

**Key:**

- Category A: High Quality (Green circle)
- Category B: Moderate Quality (Blue circle)
- Category C: Low Quality (Grey circle)
- Category U: Trees Unsuitable for Retention (Red circle)
- Ground Protection: Retained driveway surface reinforced with roadplates (Blue hatched area)

**Category Legend:**

- Category: Crown Spread (Green circle)
- Tree Number (Number in circle)
- Species (Text label)
- Category (Text label)
- Tree Position Approximate (not shown on original survey) (Green circle)
- Tree Felled To Facilitate Development (Red circle)
- Tree Protection Fencing (Pink line)
- Ground Protection: 100mm concrete slab (Blue hatched area)

