



## Arboricultural Consultant's Development Site Supervision & Monitoring Report

Development Site Address:  <b>27 Kew Gardens Road, Kew, Richmond, TW9 3HD</b>	
Local Planning Authority (LPA):  <b>London Borough of Richmond upon Thames (No representative available for site meeting)</b>	
Application references: <ul style="list-style-type: none"><li>• <b>20/0406/HOT - Replacement car port to rear</b></li><li>• <b>20/0406/DD01 - Details pursuant to condition U0081380 (Submitted Arboricultural Details) of planning permission 20/0406/HOT.</b></li></ul>	
Arboricultural Consultant (AC) Name/Address:  <b>Paul Billin billin Tree Solutions 14 Cotton End Lace Hill Buckingham MK18 7RJ</b>	
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Consultant's Name:	<b>Paul J Billin, BSc(Hons)For, MICFor <i>Chartered Arboriculturist</i></b>
Architect:  <b>Maria Demargne, RIBA, ARB, ETSAB, MPhil 21 Princes Rd Kew Richmond TW9 3HP</b>	
Tel:	<b>07954 325 188</b>
Mail:	<b>maria@demargne.com</b>
Site Contractor's Name/Address:  <b>Remi Kulczycki INVENTIVE DESIGNS LONDON Ltd</b>	
Tel:	<b>07974 100700</b>
Email:	<b>remi@inventivedesigns.london</b>

**Date of site supervision visit: 19 January 2021**

Revisions to report:

*27 January 2021 – Appendix 1 photos and comments added**06 February 2021 – Appendix 2 photo and query added***Agenda for pre-commencement site supervision visit:**

With reference to the following documents:

- 1) Planning application references:
  - i) 20/0406/HOT - Replacement car port to rear
  - ii) 20/0406/DD01 - U0083419 Submitted Arboricultural Details
- 2) Arboricultural Method Statement (AMS) prepared by Tree Surveys, Ref: SN/AMS-20/02.03, dated 11th March 2020

- To discuss specific tree protection measures;
- To record findings and observations made on site, and actions required.
- Induction and personnel awareness of arboricultural matters to site contractor's staff.

**Attendees on site:**

**Client:** Clare Temple (CT)  
**Architect:** Maria Demargne (MD)  
**Contractor:** Remi Kulczycki and two other staff (RK)  
**AC:** Paul Billin (PB)

Stage of development (√):	<u>Pre-development works</u>	<u>Developments works</u>	<u>Post-development works</u>	
Tree Works	<input type="checkbox"/>	Demolition	<input type="checkbox"/>	Rectifying tree damage/pruning <input type="checkbox"/>
Protective fencing/tape	<input checked="" type="checkbox"/>	Grading/muck away	<input type="checkbox"/>	Hard landscaping/walls/drives <input type="checkbox"/>
Fencing signage	<input type="checkbox"/>	Placing portacabin	<input type="checkbox"/>	Removal of protective fencing etc <input type="checkbox"/>
Ground protection	<input checked="" type="checkbox"/>	Excavations/services	<input type="checkbox"/>	Soft landscaping <input type="checkbox"/>
Temporary haul road	<input type="checkbox"/>	Construction works	<input type="checkbox"/>	Special surface <input type="checkbox"/> Tree planting <input type="checkbox"/>

**Findings:**

The tree protection measures to be implemented were discussed on site, with reference made as appropriate to the Arboricultural Method Statement (AMS) prepared by Tree Surveys, Ref: SN/AMS-20/02.03, dated 11th March 2020 and including induction and personnel awareness of arboricultural matters given to Remi Kulczycki and two other staff members:

- 1) Protection of tree root protection area (RPA).  
The RPA of T1 within the proposed construction area must be protected with a tree protection barrier (TPB) and temporary ground protection.

**Mitigation:**

- The TPB must be installed prior to any construction activity and remain in situ for the duration of the scheme as detailed in section 7.3 and Appendix 2 of the AMS. The location of the TPB was set out by marker pegs on site, see photo 1.
- To ensure the RPA of the retained tree remains undamaged, and to prevent contamination and compaction during construction work, temporary ground protection must be installed as per section 7.4 of the AMS (ground undisturbed and protected by a geotextile fabric, and side butting scaffold boards on a compressible layer). To be installed over the area shown on photo 1 below.



*Photo 1: Location of TPB and temporary ground protection as marked out on site*



Location of TPB



Temporary ground protection; to be removed at completion of works

- 2) Removal of the existing carport.  
Excavations and foundation construction of the proposed new garage.

A theoretical RPA incursion is anticipated for the excavation and foundation construction of the new garage in a section of the RPA of T1. However, site investigation has revealed that the RPA within the existing car port is covered, to its full extent, with a hard surface of concrete, see photo 2 below. This concrete surface was anecdotally revealed as being in situ when the clients, Mr & Mrs Temple, bought the property fifteen years ago. This concrete slab is to be retained intact and therefore no additional mitigation measures will be required to prevent disturbance to tree roots. The removal of the car port will therefore have no impact on the RPA of the retained tree.

It is still proposed to construct the rear and side walls of the garage on a reinforced concrete ground beam, supported by helical piles, as per Drawing 13111A Rev A, sheet title; 'Proposed Plan', with an extract in Figure 1 below.

Mitigation:

- The RPA of the retained tree within the footprint of the proposed garage is covered by a concrete slab which will be retained and will continue to afford protection, and prevent contamination and compaction, during access, excavation and construction of the piles; and therefore no additional ground protection will be required.
- The helical piles will be located as per the drawing in Figure 1 below; the concrete slab will be broken out as required to allow access for the auger, the holes should then be initially hand dug with an auger to 600 millimetres depth.
- Any roots over 25 millimetres in diameter must be cut cleanly with a suitable sharp tool (e.g. bypass secateurs or handsaw) following consultation with the AC.
- The cutting of any minor roots at this lower ground level will be more than compensated by the fact that the tree rooting zone will in reality spread out further around its circumference, and will not in our opinion significantly affect the future viability of the tree.



*Photo 2. The existing car port is covered with a hard surfacing of concrete*

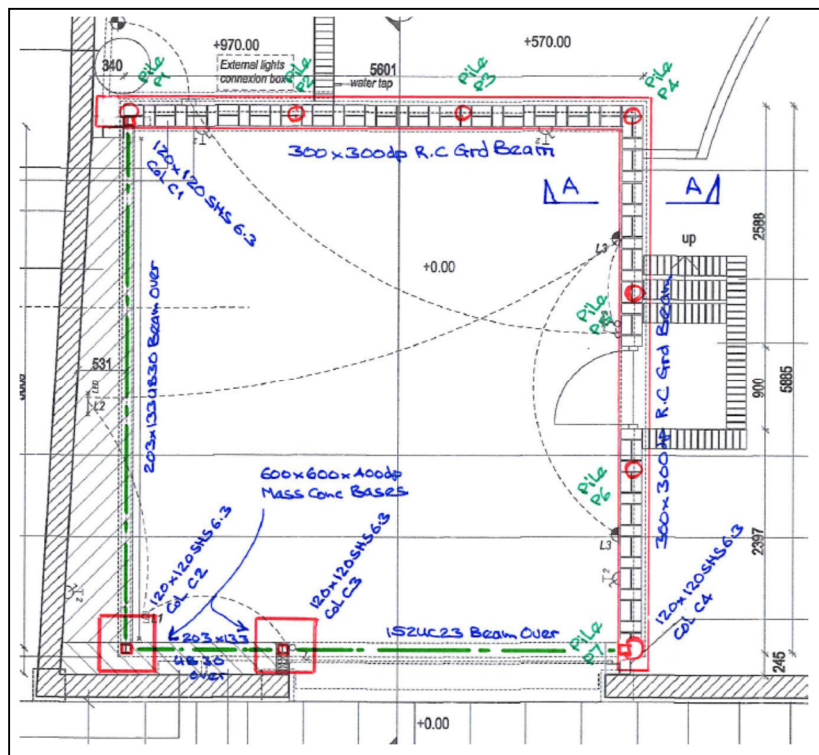


Figure 1: Extract from Drawing 13111A Rev A, sheet title 'Proposed Plan', showing construction of the rear and side walls of the garage on a reinforced concrete ground beam, supported by helical piles.

- 3) Installation of new surfacing over the RPA of retained tree T1.  
The new garage surfacing will be a resin bound gravel surface laid on top of the existing concrete surface which will be retained; and therefore no additional mitigation will be required.
- 4) Retaining walls and steps.  
The brickwork retaining walls will be constructed on top of the reinforced concrete ground beams, and therefore no additional ground protection mitigation will be required.  
The steps up to the lawn level will be constructed off the top of the reinforced concrete ground beams, and therefore no additional ground protection will be required.

Identification of individual responsibilities and key personnel to whom induction and awareness of arboricultural matters was given:

Site manager: Remi Kulczycki

Site foreman: Darek Pryczynicz

Site operative: Lucas Urbanowicz

Tree protection mitigation in place:

- Temporary protection barrier:  
Marked out on site on 19 January 2021 as per photo 1 above.
- Temporary ground protection:  
Marked out on site on 19 January 2021 as per photo 1 above.

Further mitigation or remediation **action required** or further recommendations:

- A photographic record of the temporary protection barrier and temporary ground protection shall be submitted as soon as they are installed, and appended below in Appendix 1.

Is an Additional site visit required?

~~YES~~ / NO

Scheduled Date of next site visit:

n/a

**Appendix 1:**

**Date: 27 January 2021**

**Photographs of TPB and temporary ground protection installed on 25 January 2021**



Photo 3



Photo 4

Comments.

**27.01.2021 by PB: Action:** There needs to another long scaffold board to remove the gap between the two already laid down (see photo 3). One of the short boards near the wall needs to be shortened to prevent it 'catapulting' when someone steps on the end of it (see photo 4).

Appendix 2:

**Date:** 6 February 2021.

**Photograph of roots found on removal of existing retaining wall on 6 February 2021**

Comments.

**06.02.2021. Query from MD:** "Good morning Paul, the builders found these as they were preparing to mark the pile position. Can they cut the small roots? Thank you Maria

**06.02.2021. Reply from PB;** "Cut cleanly with secateurs or lopping shears will be fine."