



Arboricultural Report

29th September 2020

Client: Ariel Klien

Site: 7 Rosecroft Avenue, London NW3 7QA

Trial dig - BS5837:2012: Trees in relation to design, demolition and construction – Recommendations.

With regards to the proposed installation of a garden room at the above site address, trial pits have been dug to ascertain the rooting activity in the rear garden.

This revision is to be read in conjunction with the initial report dated 6th June 2019 alongside the tree protection plan and tree constraints plan (*TPP 7 Rosecroft Av & TCP 7 Rosecroft Av*) as well the architects revised drawings *A/02/501*, which plot root findings on the updated scale plan.

Trial pit 1: Dig on south boundary uncovered x3 <50mm roots growing from T4 and X1 <100mm root growing from T6 green beech. See updated drawings (*A/02/501*) for locations and photos for illustrations of these roots.

Pits were hand dug to ascertain locations for pads to support and cantilever the garden room floor structure. All four pad locations are achievable without severing any primary roots found. An in significant quantity of fibrous root system will need to be removed when excavating soil for the pads.

Photo 1:



Photo 2:





Photo 1 illustrates x3 roots with a diameter less than 50mm, whilst one slightly larger root measured at 100mm grows from T6 as illustrated in photo 2.

Despite a small loss of fibrous root system from T4 and T6 the beech trees should not be impacted by the proposed installation of foundation pads to support the floor structure of the garden room.

***Amended proposal along rear boundary: to install a climbing wall. Refer to drawing no. A/02/501 Constraints are the roots of T7-9 inclusive.

Trial pit 2: A trial trench has been dug to a depth of 700mm. Findings uncovered no structural or woody roots. Fibrous root system is present from previously removed vegetation such as ivy. The rear boundary wall drops down by another 200mm to meet 15 Hollycroft Avenue property where the three Lime trees grow. It would seem the roots of these lime trees haven't grown under the presumed 400mm wall foundation and up into the mass of soil in the rear garden of 7 Rosecroft Avenue. See photos below for clarification.

Photo 1:



Photo 2:



Conclusion:

Meeting the client and architect on site at the time of the trail dig enabled us to formulate a plan to mitigate excavation in the area adjacent to the row of Beech trees by way of sinking 4 concrete pads in locations sympathetic to the rooting activity of the Beech trees and supporting the floor base on these pads.



With regards to the roots of the Lime trees in 15 Hollycroft. The findings along the rear boundary wall (south west boundary) were not surprising as tree roots are hydrotropic and there is plenty of available soil / lawn in the rear garden in which they grow. Therefore excavation in this vicinity would be permissible not encroaching more than 20% into the RPA of T6. Heavy machinery is not permitted or accessible so excavation would be by hand dig and I am in touch with the contractor should they encounter any substantial rooting activity along the rear boundary where the proposed climbing wall is to be installed. I do not foresee a detrimental impact on trees numbered 1-9 during the project so long as the tree protection plan is to be followed and communication is maintained at this current level.

Yours sincerely,

Frank Parsons
RFS certificate in Arboriculture
AA Technicians certificate in Arboriculture
(Level 4 Diploma in Arboriculture)