



Quaife Woodlands

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12th October, 2017

Our Ref: AR/3738L/jq

Your Ref: PB773

Kamal Panesar,
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By e-mail only

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[k](#)

3 Sweetcroft Lane. Ickenham, UB10 9LD – Proposed New Porch Arboricultural Appraisal

Dear Kamal,

Thank you for your instructions to provide a supporting arboricultural statement for the proposed new porch as illustrated on the Akaal Architecture drawing reference 2017.006 03.01 rev A.

The subject tree is a Corsican pine, one of three and an oak in the front garden which is shared with No. 3a. I have attached a drawing at Appendix A which shows that the porch will in fact encroach into the subject tree's root protection area [RPA], the definition of which is annotated at Appendix A. The tree is about 5 metres from the existing front elevation of the house and the porch will be 3.5 metres from it.

With reference to your photograph below the front garden is substantially hard standing with block pavers and almost entirely so around the subject tree, save for the island it stands on.



The RPA is an estimation of the area of the root system that would need to be retained to sustain the condition of the tree if all the other roots outside it were to be severed. The RPA represents a smaller proportion, (on average only a third), of a tree's root system and consequently whilst the RPA is particularly important to ensure that there are no adverse effects upon stability, if an encroachment does not reduce the overall assimilative function of the root system significantly it is unlikely to cause harm.

However, as with any factor relating to trees each individual situation must be justified in site-specific terms. In this instance the hard surfacing is uniform and one can anticipate that the root system has grown evenly underneath. The roots are likely to have a much-reduced density under both the houses and accordingly the root system is likely to be asymmetrically disposed to the north. This means that the proportion of the RPA that is encroached upon is a very minor part of the root system, and as I have calculated in the panel at Appendix A the actual area of root system compromise is probably some 2%.

This is insignificant and will not adversely affect the tree's physiological condition or its stability.

The only tree protection measure necessary is to fence the tree off with four steel mesh panels of 1.8 metres in height ('Heras') bolted to scaffolding post upright with angled braces, in the position shown at Appendix A. Absolutely no access is allowed within the enclosure which is the Construction Exclusion Zone. The enclosure is to be erected before any work starts and to remain in position undamaged until the work has been completed. This single static tree protection measure only requires monitoring and periodic dated photographs to prove that it has remained in position.

This is a demonstrably straightforward tree protection specification, but should any queries arise please direct them to me.

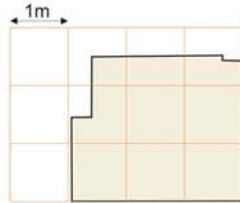
Yours sincerely,

Jim Quaife

Attachment: Appendix A – Site Plan with Tree protection measure (one page A4)

Area of the porch footprint is
 $2.5\text{m} \times 4\text{m} = 10\text{m}^2$
 The RPA is 201m^2
 The percentage of the porch
 encroachment is thus 5%

The entire root system is likely
 to be in excess of 500m^2 which
 means that the porch footprint
 represents 2% of it



Quaife Woodlands Arboricultural Survey AR/3738L/jq

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Site Plan - front garden - Proposed New Porch

Scale - as per scale bar @ A4

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0 5 10 metres

Scaling accuracy is sufficient for planning purposes but this drawing should not be used for construction
 This plan is drawn in colour so monochrome reproduction may be unreliable

