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Ms Ratcliff  
Harrington Design Architects Ltd  
Unit 1 Broadbridge Business Centre  
Delling Lane  
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PO18 8NF

Our Ref: **15675 - Let 1**

15 May 2015

Dear Ms Ratcliff

**RE: ARBORICULTURAL IMPLICATIONS ASSESSMENT AT 26 WADE COURT ROAD, HAVANT**

I write to confirm my recent work instruction and subsequent visit to the above site. I was asked to inspect two trees which could be affected by a proposal to construct a new extension to the existing building at first floor level, comment on the possible implications on the trees arising from the proposal and also make appropriate tree protection recommendations.

You provided me with a drawing (reference '15014 100') showing the proposed site changes and the position of one of the trees at the front of the property. Please find attached plan ECO 1 which is an extract from the provided drawing. I have annotated this plan to show the approximate position of the offsite tree and have provided identification numbers for both trees, along with some tree protection proposals. I visited the site on 12 May 2015 and during my visit I took a number of photographs, some of which I have appended at the end of this report for reference.

The trees I was asked to look at are an Oak (T1) and a Magnolia (T2). The Oak (T1) is located on the site immediately to the north of number 26. It is around 16m in height, with a stem diameter of approximately 68cm measured at around 1.5m above ground level. This tree has had its canopy reduced in the past and there is evidence of dieback at the extremities of some of its branches. I understand that the council has advised that this tree is subject to a Tree Preservation Order (TPO). Tree T2 (Magnolia) is located immediately to the front of the property and is positioned in a small oval area of soil which is surrounded by hard surfacing. The tree is small in size (around 7m in height) with stem diameters of 23cm and 21cm also measured at around 1.5m above ground level. Additional survey data for both trees is shown on ECO 1 for reference.

My understanding from our discussions is that the proposals for a first floor extension will not require any ground disturbance around the building, as the footprint of it will remain as it is currently. Most of the areas around both trees and encompassing their BS 5837 derived Root Protection Areas (RPAs) are covered in existing tarmac surfacing. Given the domestic nature of the project, I feel that this surfacing will be sufficient to act as ground protection over the RPAs. However, there are small areas of bare earth/soft landscaping close to both trees. The Magnolia (T1) has a small oval area of soil surrounding its position and the Oak (T2) has a narrow flower bed which is located adjacent to the northern site boundary (see photographs 1 and 2).

I think that there is very little risk of any significant impact occurring to the trees from associated building related activities. However, purely as a precaution, I have shown some fencing to guard the areas of bare soil from compaction and to protect the trunks of the magnolia from accidental damage. I feel that the provision of full BS 5837 scaffold braced weld mesh panels are unnecessary given the low risks involved. I therefore recommend 900mm high chestnut paling as a suitable tree protection barrier (to be attached to wooden stakes hammered into the ground). The approximate positions of this protection is shown on the attached plan. The canopy of the Magnolia is quite low and my advice would be for some of the small diameter lower branches to be carefully removed to allow sufficient headroom (2.5m - 3m) for construction personnel to have access to the building and also to allow sufficient clearance around it for scaffolding if this is required.

In summary, I feel that the proposal is acceptable from an arboricultural standpoint and there is little risk to the health and wellbeing of either tree arising from the proposed site changes. However, purely as a precaution I recommend some tree protection measures to safeguard the trees and these are shown on the attached drawing.

Please call me if you need to discuss any of these points.

Yours sincerely



Barrie Draper BSc(Hons)Arb TechCert(ArborA) CertArb(RFS)  
**Arboricultural Consultant**

**Enclosed:** 1: Photographs  
2: Plan ECO 1

## PHOTOGRAPHS

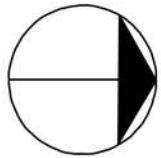


**Photograph 1:** Stem of tree T1 far right of picture with flower bed to the rear of gate

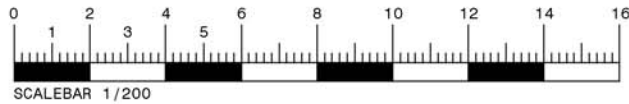
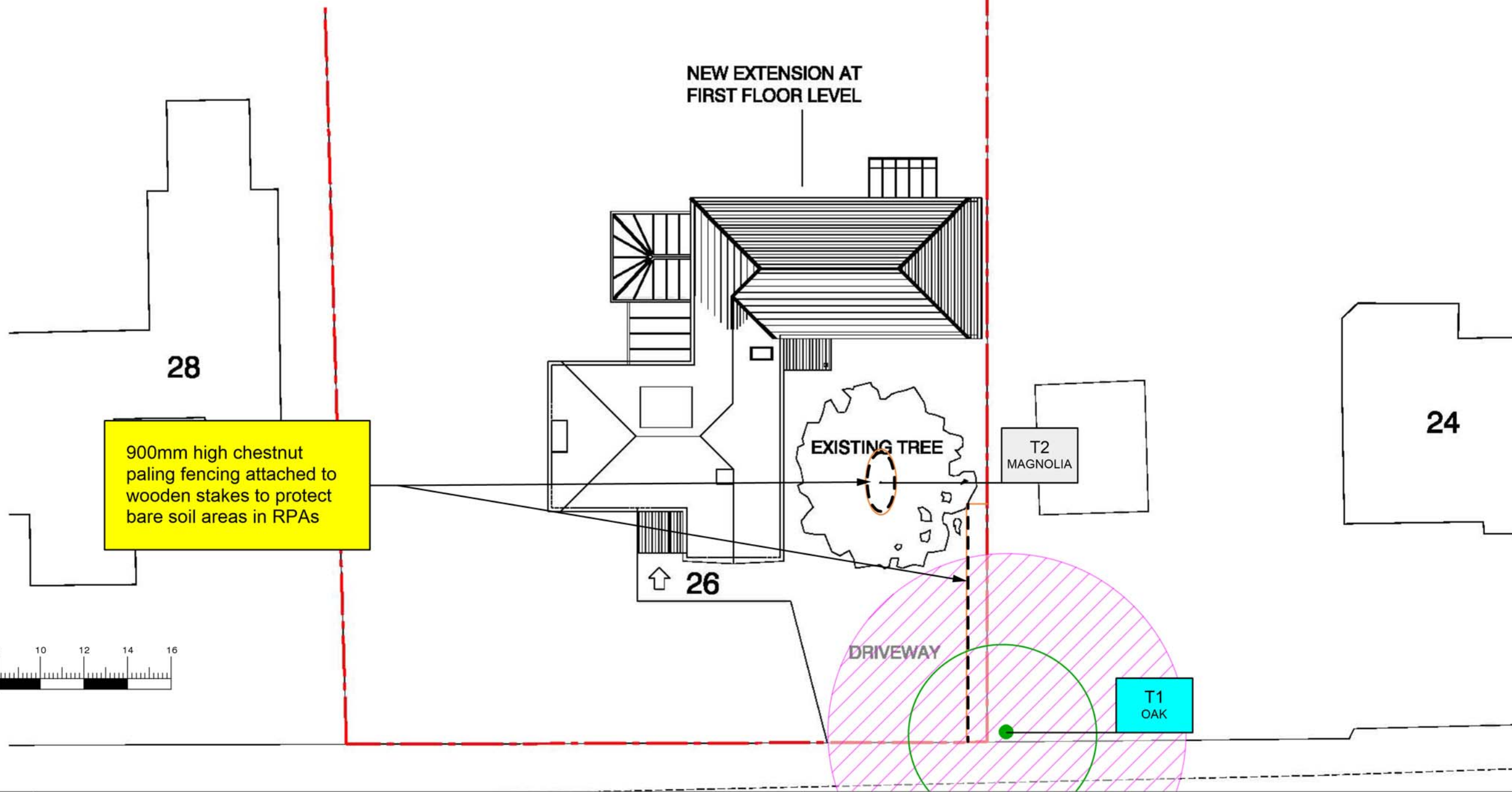


**Photograph 2:** Tree T2 located in oval area of soft landscaping

| Tree No. | Species  | Ht (m) | Single stem dia. at 1.5m (cm) | STEM DIAMETERS (MULTIPLE)                 |    |   |   |   |                                                    |                              |              | Branch spread (m) |   |   |   | Height above ground (m) | Age class | Notes                                                        | Management proposals | BS cat | RPA area (m²) | RPA radius (m) |
|----------|----------|--------|-------------------------------|-------------------------------------------|----|---|---|---|----------------------------------------------------|------------------------------|--------------|-------------------|---|---|---|-------------------------|-----------|--------------------------------------------------------------|----------------------|--------|---------------|----------------|
|          |          |        |                               | Multi stemmed trees with 1 - 5 stems (cm) |    |   |   |   | Multi stemmed trees with 1 - 5 stems combined (cm) | Multi stemmed trees >5 stems |              |                   |   |   |   |                         |           |                                                              |                      |        |               |                |
|          |          |        |                               | 1                                         | 2  | 3 | 4 | 5 |                                                    | Mean stem dia. (cm)          | No. of stems | N                 | E | S | W |                         |           |                                                              |                      |        |               |                |
| T1       | Oak      | 16     | 68                            | -                                         | -  | - | - | - | -                                                  | -                            | -            | 4                 | 5 | 5 | 4 | 6                       | M         | Heavily pruned, small diameter dieback at branch extremities | -                    | B1     | 209           | 8.2            |
| T2       | Magnolia | 7      | -                             | 23                                        | 21 | - | - | - | 31                                                 | -                            | -            | 3                 | 6 | 3 | 4 | 3                       | M         | Twin stemmed, small tree                                     | -                    | C1     | 44            | 3.7            |



Indicative North



ECO 1 - TREE PROTECTION AT 26 WADE COURT ROAD, HAVANT

SCALE: 1:200 @ A3

This drawing was originally produced in colour, therefore any subsequent monochrome photocopies may not show appropriate levels of detail and should not be relied upon for the purposes of dealing with site tree issues

T1  
Tree sp

BS Category B: Trees of moderate quality

T1  
Tree sp

BS Category C: Trees of low quality



Approximate extent of BS 5837 derived RPA for TPO tree



Approximate position and canopy spread of TPO tree