

# G. A. WOOD

## STRUCTURAL ENGINEER

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gaw/rnw/pc01.015

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Dear Sirs,

### 41 Cambridge Avenue Hebburn

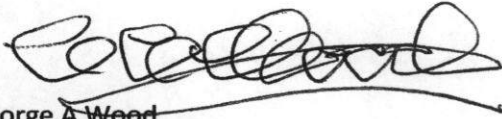
Further to your recent request / information, we make the following comments on the proposed extension at the above, regarding the foundation design.

1. The existing Sycamore trees are within 3.0 metres of the proposed extension. Thus the foundations should be 1.6m below ground of medium shrinkage, (assuming a mature height of 22.0m ).
2. The existing drainage runs /chamber are located within the tree root system. Thus root damage from the trees can be expected. An inspection by camera of the drain runs should be carried out to establish whether works are required to remove existing roots if present.
3. The envisaged extent of the mature tree root system effects on an existing chamber located within the drive and the runs to this chamber as well as the original house foundations. Considering the above, we feel that the existing trees should therefore be subject to a pruning scheme to limit mature growth of said trees.

With regard to the root extent, the new foundation excavation will accept this, however encountered roots should be severed and removed.

We trust this report covers the points raised, but should you have any queries please contact the undersigned.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'George A Wood', written over a horizontal line.

George A Wood  
Chartered Structural Engineer