

Fast Calc Ltd

Structural Calculation and Details - FAST

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Our ref 60996-1
Date 25/06/15

Report on the Condition of the Garden Boundary Wall – 40 Grove Rd Havant

Date of Site Visit 25th June 2015.

40 Grove Rd Havant is a two storey detached house on a corner plot.

My attention has been brought to the condition of the wall to the boundary of the garden with Lower Grove Rd. This wall is approximately 1.5 metres high, one brick thick and constructed using 'rat trap bond'. This is a method of constructing brick walls using less bricks and mortar. The stretcher and header bricks are laid on edge to both faces of the wall leaving a void inside. I estimate the age of the wall at approximately 120 years.

There are a number of small trees immediately behind the wall within the garden. The wall is leaning towards the footway by approximately 40mm in some areas, and there is some vertical cracking through the wall adjacent to the trees. In addition there are quite a number of bricks which have suffered frost damage over the years. It is interesting to note that the wall is just 'outside the middle third' in some areas and therefore is prone to cracking through the bedding joints under its own self weight. However the wall appears stable.

In my opinion, the wall requires repair and lateral restraint in order to extend its life. The small trees which have grown immediately behind the wall should be removed as it is likely that they are contributing to the movement of the wall. The repairs to the wall include replacing the frost damaged bricks (please note that original bricks used in the wall are larger than standard size), brick stitch repairs to the vertical cracking and the installation of some butressing to the rear of the wall, to restrain the wall against further lateral movement.

A handwritten signature in black ink, appearing to read 'BDM'.

Brian Masters BSc MSc CEng MICE

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Applications for tree works: notification of proposed works to trees in a conservation area.

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7. Identification of Trees and description of works

Tree no: 1

Holly Double Trunk

Reduce crown and spread by one third.

Tree no: 2

Holly Single Trunk

Reduce crown and spread by one third.

Tree no: 3

Bay

This tree has multiple large stems growing from ground level. It has bracket fungus and areas of damage and decay. More importantly it is also causing the brick boundary wall to be damaged. Copy of report from Fast Calc Ltd attached.

Fell tree and grind out the stump.

Tree no: 4

Bay

This tree has multiple large stems from the ground level.

Fell/cut all large stems to ground level and allow the suckers to grow again.

