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09/12/2021
R11438/GP

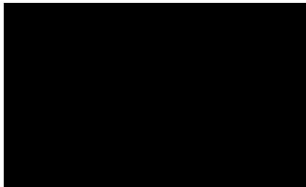
Dear Eleanor

As requested I have given further consideration to rebuilding the front garden wall around the retained tree and write as follows.

The tree is leaning beyond the building boundary.

Provision will need to be made in the reconstruction of the wall for further growth of the tree trunk and roots and soil movements caused by the extraction of ground moisture by the roots from the shrinkable clay. These risks can be reduced by constructing the new retaining wall in reinforced concrete designed to span between pad foundations on each side of the tree. The use of a compressible material such as Cellcore against the earth face and at the bottom of the retaining wall would be essential. Such a scheme would necessitate the new construction to extend beyond the boundary line and onto the pavement. The scheme is shown on my drawing R11438/EXT2, attached.

Given the proximity, size and elevated position of the tree the risk of further movements to the wall cannot be alleviated. It is possible with time that the effectiveness of the vertical Cellcore against the face of the wall will be lost due to damage caused by the tree and infilling of the voids by soil.



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