

Our Ref: S.16075/jg
12th February 2019



*Consulting Structural Engineers
& Party Wall Surveyors*

Mr D. Hirsch
31 Granchester Street
Cambridge
CB3 9HY

Dear Sir

Re: **112 Malden Road, Camden**

We have been asked to comment in respect of the effect on the retaining wall through opening up of part of the pavement to form the lightwell at the above.

The undercroft store rooms by the retaining wall are approximately 1.8 metres in breadth, by the width of the building long, and are constructed of masonry with vaulted masonry roofs supporting that part of the pedestrian pavement. There is a central partition between the two store rooms which, along with the end walls and roof of the stores buttress the retaining wall – see Award drawings 008 and 030. The stores are accessed from the basement of No.112.

The lightwell has been formed in the existing reinforced concrete slab between the stores and the front wall/timber ground floor of No.112. Whilst removal of part of the concrete to form the 2.1m long x 0.62m wide lightwell effectively negates the distribution action of that concrete part, the masonry roof and buttressing partitions in the stores appear to have for a long time been the primary lateral resistance as there are no intermediate buttressing partitions in the basement of No.112.

Accordingly it is our opinion that the distribution of the lateral forces from the pedestrian pavement is adequately provided by the cellular structure of the undercroft store walls, propped and distributed by the vaulted roof.

Please do not hesitate to contact us if you have any queries.

Yours sincerely
For and on behalf of Award Associates

A handwritten signature in blue ink, appearing to read "Jeff Griggs", is written over a large, stylized blue circular mark.

Jeff Griggs. BSc CEng MStructE