

2695 012

Noise & Vibration Impact Assessment

Number 73 is a substantial brick building founded on a substantial basement. The present use is sensitive to noise and vibration and no problems have been reported.

Only one bedroom is at the front on the ground floor exposed to London Street traffic. Despite this bedroom being the closest to London Street this exposure is acceptable, because of a generously wide pavement and a parking strip between the building & London Street (6.5m) and more importantly the ground floor is raised by 5 (see figure 1) steps.

We consider that a combination of being 6.5m away from London Street and being 5 steps higher than the street level is enough to have sufficient affect in reducing the noise and vibration from the street. Locating the bedroom at the front of the building in flat 2 was the only option in order to maintain the original features.

Although bedrooms to flats 4 and 7 are also located at the front of the building but because they are on the first and second floor so that the noise and vibration are significantly reduced because they are higher.

Bedrooms of all other flats are situated at the back of the building, this will ensure that no noise or insignificant noise will get to them from London Street. The building will also shield them from vibration.

The building is a Grade II listed, changing the windows at the front of the building is not an option, as it will grossly harm the integrity and character of this historic building. Our client may consider the option of having an internal secondary glazing for the windows that are on the London Street side. If permitted by the Conservation Officer.

Ventilation ducts and flues all terminate at the rear or the roof so there is no risk of noise transfer from London Street.