

Mr Paul Thomas
Bargate Homes Ltd
The New Barn,
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Date: 21st March 2022
Reference: R8907-2 Rev 0

Dear Paul

RE: APP/21/01071- Bedhampton Phase 2- Noise Impact Assessment

I am pleased to provide our formal response to the comments from Soffia Handley (Environmental Protection Officer at East Hampshire District Council) which are undated but were received at this office on 6 January 2022.

For reference Ms Handley has made the following comments:

I have reviewed the Noise Impact Assessment by 24 Acoustics submitted as part of the application documentation and note concerns from noise due to the proximity of the A3(M), A27 and the adjacent railway line.

This preliminary noise assessment indicates that certain measures will be taken to protect internal noise climates such as acoustic glazing and windows closed, but it is not clear from this application what proportion of the development will require windows closed.

ProPG the Planning advice guidance for acoustics says the following :

NOTE 5 Designing the site layout and the dwellings so that the internal target levels can be achieved with open windows in as many properties as possible demonstrates good acoustic design. Where it is not possible to meet internal target levels with windows open, internal noise levels can be assessed with windows closed, however any fa ade openings used to provide whole dwelling ventilation (e.g. trickle ventilators) should be assessed in the "open" position and, in this scenario, the internal LAeq target levels should not normally be exceeded, subject to the further advice in Note 7.

I note that this is the preliminary noise assessment and that the report points to further design work taking place at the detailed design stage but I would like to understand whether the internal noise climate was assessed with the trickle vents open on the noisiest facades, especially with respect to the LAMax levels at night, as they look to be very high externally.

I would also like further details of the design and layout of the properties, to understand the specifications and mitigation measures proposed to achieve these noise levels, and any acoustic barriers that may be effective to ensure that acceptable noise levels within the dwellings and the curtilages of the dwellings are not exceeded.

I would also require a Construction and Environmental Management Plan (CEMP) due to the close proximity of sensitive receptors to the site.

In response it is firstly important to stress that this is an outline application and as such the noise impact assessment is there to demonstrate the spirit of compliance based on Bargate's indicative site masterplan rather than absolute compliance.

We estimate that approximately 1/3 of the dwellings (in the indicative masterplan scheme presented) will be reliant on closed windows- primarily those around the perimeter of the site. At this stage it is not appropriate to say exactly how many as the need for closed windows and alternative means of ventilation etc. is contingent on the volume of each room and the area of the glazing to each space. This information is not available as part of the indicative masterplan design.

We can confirm, however, that the indicative calculations presented did assume that background vents are open.

The design of the indicative scheme is as shown- I'm not sure what additional information can be provided at this stage. We stress, however, that the majority of private amenity spaces will be subject to noise levels below 55 dB $L_{Aeq, 16 hr}$ during the day- and this is shown in the noise contour map in Figure 3 of our report. There is no requirement for acoustic barriers- the development itself- the new buildings screen the majority of external spaces.

I trust you will find the above satisfactory. Please do not hesitate to contact me if you require any further information.

Yours sincerely,
For 24 Acoustics Ltd



Reuben Peckham BEng MPhil CEng MIOA
Director & Principal Consultant