RECOMMENDATION FOR NOISE CONTROL MEASURES

5.1 There is much guidance on the levels of intrusive noise which would be considered acceptable within a residential dwelling. Typical advice is found in British Standard 8233:1999 "Sound Insulation and Noise Reduction for buildings - Code of Practice" sets out limits for indoor ambient noise levels within living rooms and bedrooms. This suggests:

Living Rooms	30 - 40 dB(A) $L_{Aeq,t}$
Bedrooms	30 - 35 dB(A) $L_{Aeq,t}$ 45 dB(A) L_{Amax}

5.2 It is therefore proposed that the design of the new building be sufficient to attenuate external noise to an internal level of 35 dB(A) for day time occupation and 30 dB(A) L_{Aeq} or 45 dB(A) L_{Amax} for night time occupation, based on a 16 hour or 8 hour noise level, respectively. The assessment below will detail the required specification for both standards.

5.3 From this guidance and the survey data, it is possible to determine the level of façade insulation which would be required, and the specification of materials which could be used to achieve it. This information is summarised below: