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By: Daniel Martens

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Proposed Apartments – 13 Cresta Ave and 96 Beach Haven Road Response to Council Queries

The following information has been prepared in response to the request for further information provided for the proposed apartments at 13 Cresta Ave and 96 Beach Haven Road, by Mark Ross Consultant Planner for Auckland Council dated 23rd May 2022.

Item 7: No assessment of construction noise is provided within the application. Noting that the construction of four residential apartment buildings may generate high levels of noise, a construction noise and vibration assessment is required to assess compliance and to address any likely adverse effects.

Response: A construction noise assessment is provided separately. Please refer to the attached report.

Items 8: The submitted acoustic report has advised that on-site vehicle and waste collection noise will exceed the Auckland Unitary Plan (Operative in Part) (AUP(OP)) noise limits and recommends 1.2m and 1.8m acoustic fencing for controlling day time vehicle noise and setting up body corporate rules to address night-time noise. The report considered that waste collection noise effects will be less than minor. Following on from this:

- (a) The submitted landscape plans specify only pool type fencing and the use of existing 1.8m timber fencing along the driveway and the eastern boundary, which is different from the recommendations of the acoustic report and are not considered acoustically effective. Accordingly, please confirm what fencing types will be used for this application and ensure that consistent information is detailed on the landscape plans.
- (b) Please confirm how the proposed night-time traffic noise management measures will be implemented and enforced e.g., restricting vehicles to 10km/h and ensuring courteous driver behaviour after 10pm? What other suitable noise mitigation measures could and should be implemented for mitigating this noise?

Response: The fence is required to have a mass of 10 kg/sqm and be 1.8m high (total height including the retention). The retention walls have adequate mass. The balance of the wall height can be of any of the construction options below:

18mm plywood, 20mm overlapped or close boarded timber Palings or 12mm acrylic or equivalent.

A noise management plan and procedures will be implemented via the Body Corporate. Regular newsletters will be circulated for reminders.

We note that speed bumps can reduce speed, however often introduce another source of noise so special attention to the design and location of the speed pumps is necessary.

Item 9: Waste collection noise is predicted to be 57 dB LAeq at 120 Beach Haven Road, which the submitted acoustic report has concluded as being less than minor due to the exceedance occurring for a short duration and at one receiver. The Council's noise specialist does not agree with this assessment and notes that as there are at least two, two-level buildings along the shared boundary at 120 Beach Haven Road, there could be additional people affected such that a more precise assessment is required. Furthermore, the noise level has been averaged over the daytime hours and is still noticeably louder than the AUP(OP) limit (50 dB LAeq) and much louder than the ambient noise level (45 dB LAeq). Given the large number of apartments and that the submitted waste management plan proposes multiple weekly waste and recycling collections, further noise mitigation needs to be considered and proposed.

Response: The predicted noise levels do account for the two level buildings and represent the highest noise levels predicted at this receiver.

There is relatively little that can be done to mitigate the noise level from this source of noise, without the activity being relocated. As is noted there are elevated receivers where the noise cannot be mitigated by conventional means.

Acoustic fencing is already proposed along this boundary and provides mitigation of the noise, primarily to the lower levels.

This is a relatively normal source of noise for all residential properties and is considered acceptable due to the infrequent and short duration of the noise being generated. Provided it does not occur during periods where high level noise would cause a disturbance, e.g. to sleep, during night-time hours.

We trust this clarifies the points raised regarding the proposed apartments at 13 Cresta Ave and 96 Beach Haven Road. Please let us know if you have any further questions.

Yours faithfully

Earcon Acoustics Limited

A handwritten signature in black ink, appearing to be "DM", written in a cursive style.

Daniel Martens
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Fir Coordination