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8 June 2021

Matt Norwell / Evita Key
Barker & Associates
PO Box 1986
Shortland Street
Auckland 1140
By email: mattn@barker.co.nz and evitak@barker.co.nz

Dear Matt and Evita,

RE: Request for information from Silk Road Management Limited, Pudong Housing Development Company Limited and Foodstuffs North Island Limited (the applicants) in relation to Dominion Road Mixed-use Development application under COVID-19 Recovery (Fast-track Consenting) Act 2020

We are responding to the Expert Panel Further Information Request contained in the EPA letter dated 28 May 2021.

In responding we confirm we are retained by our Client Foodstuffs as the noise and vibration specialist providing expert noise and vibration advice on this project.

13. Appendix 20 places a high degree of reliance on the use of a Construction Noise and Vibration Management Plan (CNVMP). The mitigation measures offered appear somewhat vague and rely on the CNVMP to address all these effects on adjoining neighbours. Please provide more detail on the specific mitigation measures that may be adopted or offered to the neighbours to address the noise and vibration effects.

I can confirm my view that, as with all other large construction projects, a CNVMP is an important document for the control of construction effects. The purpose of the OA was to demonstrate that it will be practicable to complete the project within a reasonable effects' envelope. However, it is recognised that this is not a theoretical activity and that, subsequently to consent being gained, it will be necessary to transfer the intent of the analysis to the actual construction works with the current best practice method of doing so being through a CNVMP. The CNVMP, however, is not intended to replace the assessment and it is for that reason that the OA provided a detailed analysis of noise and vibration from the project to provide a thorough understanding as to the effects. Specifically:

1. Section 3.3.4 identifies what are considered to be all practicable methods of mitigation to the intensive construction activities. In summary, these are:
 - a. 2.4m solid hoarding about the perimeter of the site;

- b. A mobile/ temporary barrier to the elevated portions of the piling rig to provide a minimum of a 5dB reduction; and
 - c. 2.4m hoarding close to the concrete saw operating on the Level 1 slab
2. Section 3.3.5 predicts the noise from the various activities based on the mitigation described above; and
 3. Section 3.3.6 provides an assessment of the predicted noise levels to the neighbouring sites. This includes an estimation of the duration of the noise.

The intention is that from the assessment described above, complimentary conditions would be developed. From this point, it is for the contractor to work within these conditions, with the CNVMP being the guiding document on how this would occur in practice. The OA recognises that while there are ultimate controls placed on the project by the objective conditions, there may be methods of achieving those limits that differ from those described by the OA.

A good example of this is additional screening for the piling rig that was adopted in the analysis. This was generically modelled as a screen offering at least a 5dB reduction on the basis that there will be a number of ways of achieving this screening. These include a larger solid wall, a wall of similar height but shorter length which can be moved with the rig or a screen that is hung in front of the piling rig either from the rig itself or via a crane. The method of achieving the necessary screening will depend on the actual rig used and the plant available to the selected contractor with the reality being that the exact method is of little consequence to this assessment, as the important point is that there are practicable options available to achieve the mitigation that the assessment has been based upon.

Should you have any questions regarding the above please do not hesitate to contact me.

Yours sincerely
Hegley Acoustic Consultants



Rhys Hegley