

MEMO

Project:	SH1 Papakura to Bombay	Document No.:	Mm 003
To:	Aurecon	Date:	30 September 2021
Attention:	Helen McLean	Cross Reference:	
Delivery:	email	Project No.:	20190430
From:	Siiri Wilkening	No. Pages:	2 Attachments: No
Subject:	Stage 1B1 – Response to acoustic comments by Parklands Properties Ltd		

Helen,

We have received the comments made by invited parties on the Covid-19 Recovery (Fast-track Consenting) Papakura to Drury South SH1 Improvements project, Stage 1B1 (**Project**). We have undertaken the noise and vibration assessment for the Project and produced the Noise and Vibration Assessment report (**Report**).

Parklands Properties Ltd made comments in relation to acoustics. We respond to their issues below.

Parklands Properties Ltd owns and intends to develop the site at 72 Hinau Road. The site abuts the Project. Parklands Properties Ltd seeks a noise barrier along SH1 for the extent of the project to mitigate traffic noise on its site because *“the lane widening [...] will bring the sound source closer to the (pending) sensitive receivers and generate a noticeable change to the environment”*. (Parklands Properties Ltd comments paragraph 13).

The Project will not cause the road alignment to be outside the existing designation anywhere adjacent to 72 Hinau Road. Only the shared use path will be in the new designation area closer to the proposed development area, and as noted above, path users will not generate noise levels that are audible above the existing traffic noise.

The Project will be surfaced with Open Graded Porous Asphalt (**OGPA**), which is a low noise road surface which will benefit existing and future dwellings alike.

The site is not currently developed, i.e. there are no existing buildings or current building consents (at the time of assessment). Therefore, an assessment in accordance with NZS6806:2010 *Acoustics - Road-traffic noise – New and altered road* (the New Zealand road noise standard) would not take account of the site specifically as NZS6806 only addresses existing or consented protected premises and facilities (**PPFs**).

In any event, the change in noise level due to the implementation of the Project is negligible (less than 1 dB) which means that:

- NZS6806 thresholds of effects are not triggered (refer Report Appendix B, Section 1.1), and
- The Project has no noticeable effect on the site (refer Report Appendix B, Section 1.2). To demonstrate that the Project has no noticeable noise effect, we have provided noise level contour maps for the situation with and without project, and also a comparison noise map showing the difference in noise level.

Since there is no change in noise level due to the Project, there is no change in the acoustic environment under which Parklands Properties Ltd would have developed the site without the Project.

Parklands Properties Site – Noise levels and noise level changes

