

Date 7 February, 2020

Reference 11575 R02v1

Project Galston Aquatic & Leisure Centre

Contact Rolfe Chrystal

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Company Architects of Arcadia

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File PKA11575 R02v1 Acoustic Statement.docm



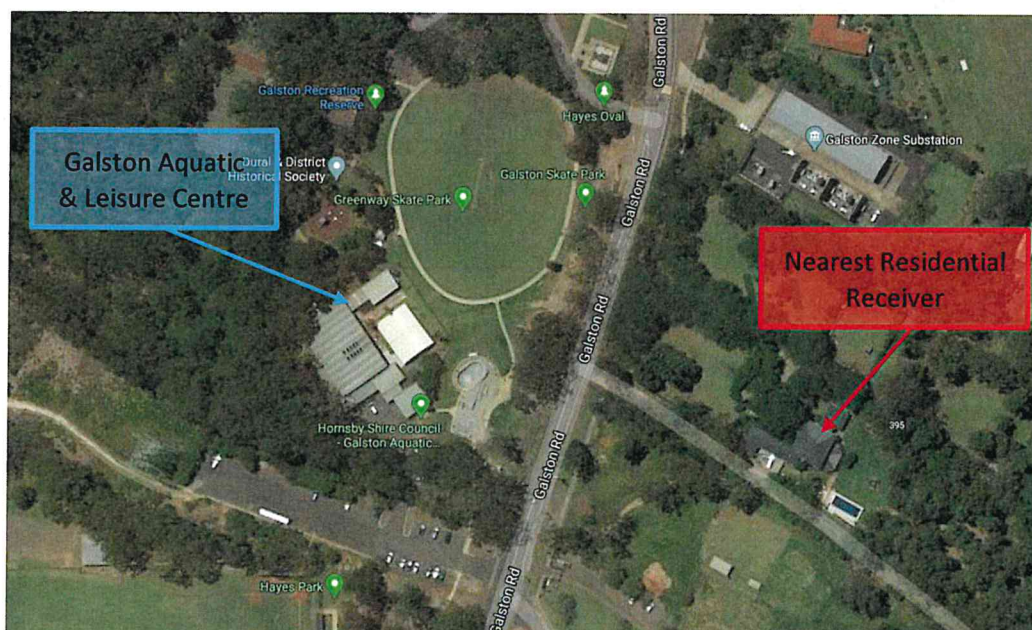
Dear Rolfe,

**Re: Addressing Hornsby Shire Council Concerns**

PKA has been engaged to provide acoustic services for the redevelopment project at Galston Aquatic & Leisure Centre (GALC), Galston. Previously, PKA has previously provided an acoustic report (ID: *PKA11575 R01v1*, dated 12-11-2019) that included preliminary acoustic advice addressing internal acoustic conditions. The Hornsby Shire Council has issued a memo (DA number: *DA/1041/2019*, dated 8-01-2020) requesting additional information regarding noise break-out to the closest residential receiver.

See below showing the location of the Galston Aquatic & Leisure Centre site and the nearest residential receiver:

**Figure 1 Site Location and Surrounds**



**PKA ACOUSTIC CONSULTING**

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The councils letter states:

*Council has also assessed the Preliminary Acoustic Report which solely addresses the internal reverberation within the main pool area. Whilst Council is aware that the Galston Aquatic Centre is located away from close proximity to residential receivers, Council notes there is one property located to the east across Galston Road that Council cannot be certain will not be affected by the new acoustic roof installation. Council would be satisfied if a statement is provided by a qualified acoustic consultant to confirm that noise from the pool and new roof will not exceed 5 dBA above background at the closest residential receiver being 395 Galston Road, Galston.*

As the proposed acoustic roof is absorptive in nature (decreases noise levels), and will be enclosing the currently outdoor pool, the overall noise levels experienced by the nearest residential receiver will be reduced compared to the current noise from the site. Furthermore, PKA understands that the siting and position of the mechanical plant rooms are to be shielded from the residences located at 395 Galston Rd by the GALC's building.

As such, we confirm that the noise from the pool and new roof will not exceed 5 dB(A) above the background noise level at the nearest residential receiver.

Yours faithfully,



Daniel Firth

**PKA Acoustic Consulting**



Sri Harsha Eati