

REVERB ACOUSTICS

Noise and Vibration Consultants

Our Ref: 19-2469-L3

25 November 2022

Catholic Schools Office
C/- CKDS Pty Ltd
PO Box 958
NEWCASTLE NSW 2300

Attention: Ben Rapley

email: brapley@ckds.com.au

RE: - REQUEST FOR ADDITIONAL INFORMATION ST MICHAEL'S PRIMARY SCHOOL, NELSON BAY

This letter has been prepared in response to a request for additional information from the Department of Planning and Environment (DPE) panel in regard to additions and alterations at St Michael's Primary School, 12 Sproule Street, Nelson Bay. This letter is to be read in conjunction with Reverb Acoustics Report 19-2469-R1, dated August 2020. Further information is presented below:

PANEL REQUEST: *Concern that the 1.8m high Colorbond fence to the eastern boundary is not adequate for the school children noise.*

REVERB RESPONSE: A summary of the acoustic fence specifications is shown below:

<i>Location</i>	<i>Height above FGL (mm)</i>
NW site bdry adjacent Blocks C & E Courtyards	1800
E site bdry adjacent child care outdoor play	2100
E site bdry adjacent Carparks	1800

Reference to Figure 1 reveals that there is no intensification of school children numbers adjacent to residences along the east site boundary. An acoustic fence 2100mm above FGL has been specified on the east boundary adjacent to the child care outdoor play area, and an acoustic fence 1800mm above FGL has been specified adjacent to the existing asphalt play area. This fence is recommended to reduce noise from additional vehicle movements, etc. The acoustic fences adjacent to the north west site boundary (i.e. adjacent to Blocks C and E) have been specified to reduce noise from school children to acceptable levels.

In summary, all appropriate noise sources have been considered in our acoustic model and no change to acoustic fence specifications is required.

We assume this concludes our involvement in the project thus far. However, should you require further information, please contact the undersigned.

Steve Brady M.A.S.A. A.A.A.S.
Principal Consultant

Building Acoustics-Council/EPA Submissions-Modelling-Compliance-Certification

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Figure 1: Site Plan

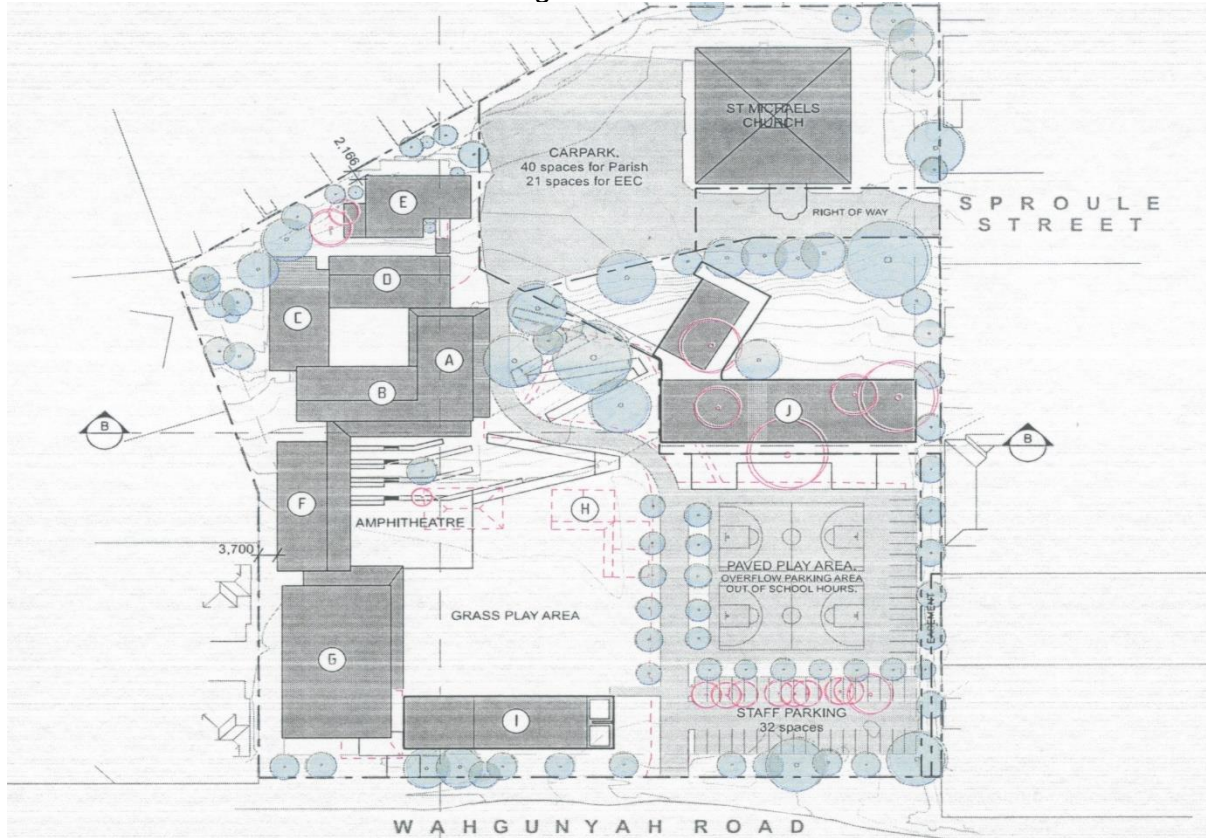
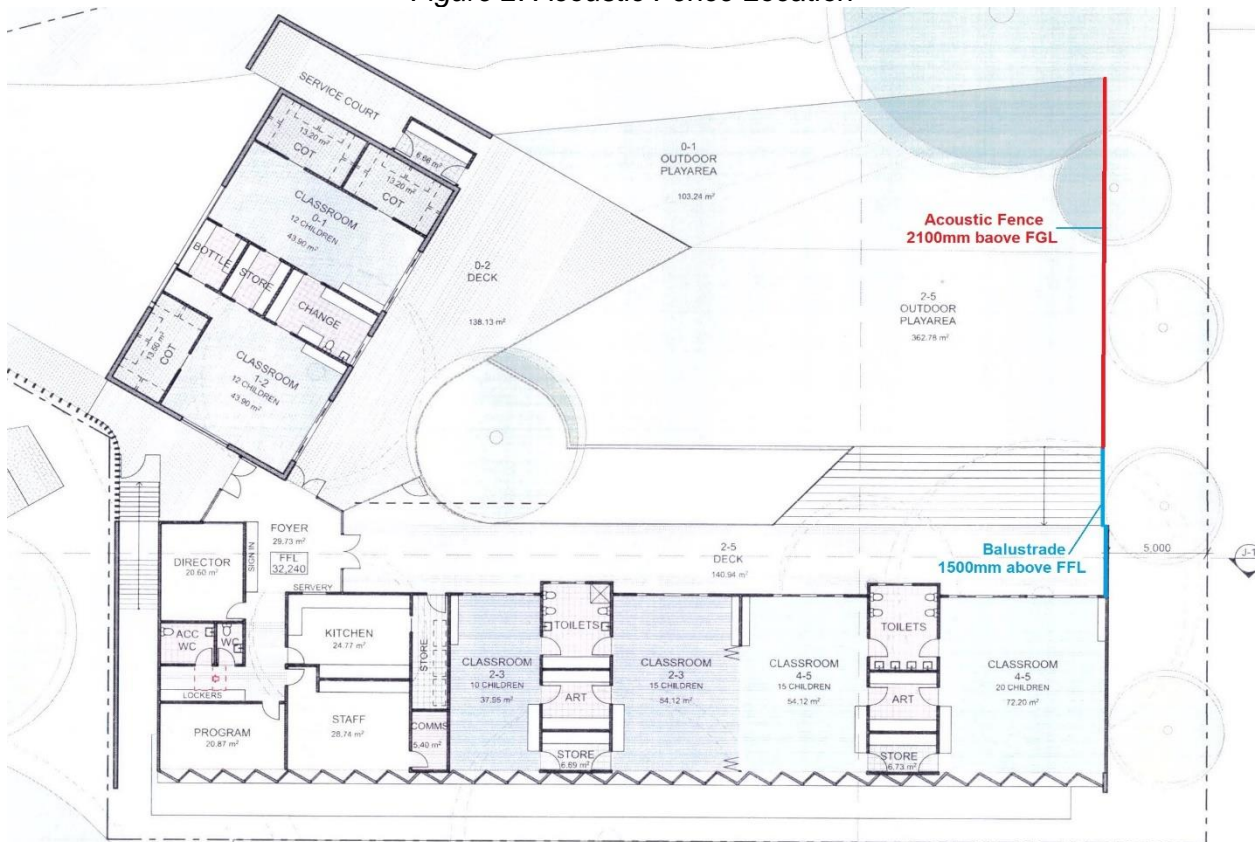


Figure 2: Acoustic Fence Location



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