

12 December 2023

Schools Infrastructure NSW  
Level 9, 259 George Street  
Sydney NSW 2000

**Attention: Natali Boskovska**

Dear Natali

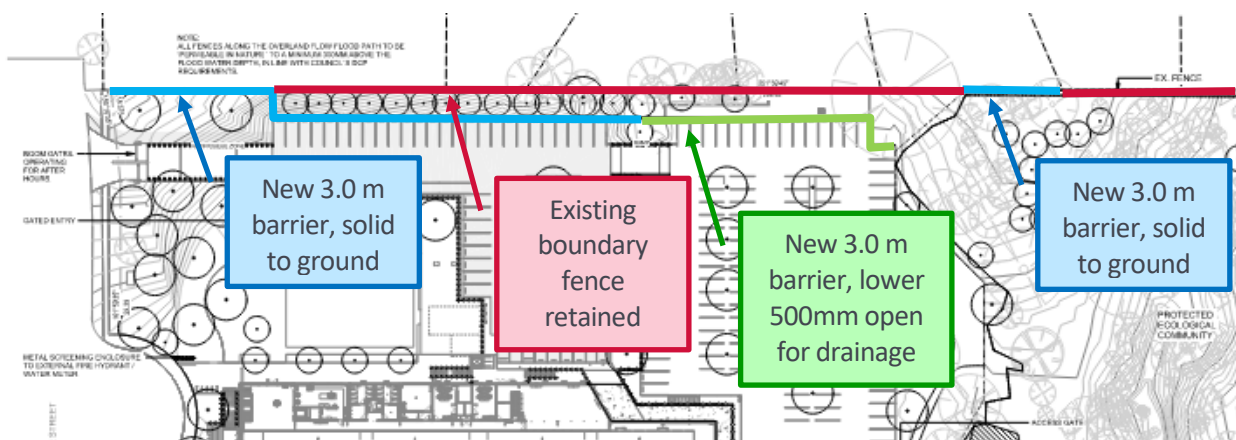
## NORTHERN FENCE MODIFICATIONS

Marshall Day Acoustics have previously prepared an acoustic assessment of the proposed West Ryde Multi Sports Facility, detailed in the Acoustic DA report prepared by MDA and identified as Rp 002 r03 20210967 (dated 23 March 2023) with addendum letter Lt 001 r01 20210967 (dated 27 July 2023). This letter should be read in conjunction with those documents.

Following on from the Planning Panel regarding the site on 6/12/2023 a number of questions relating to the acoustic fencing on and adjacent the northern boundary of the site were raised and are addressed in this letter.

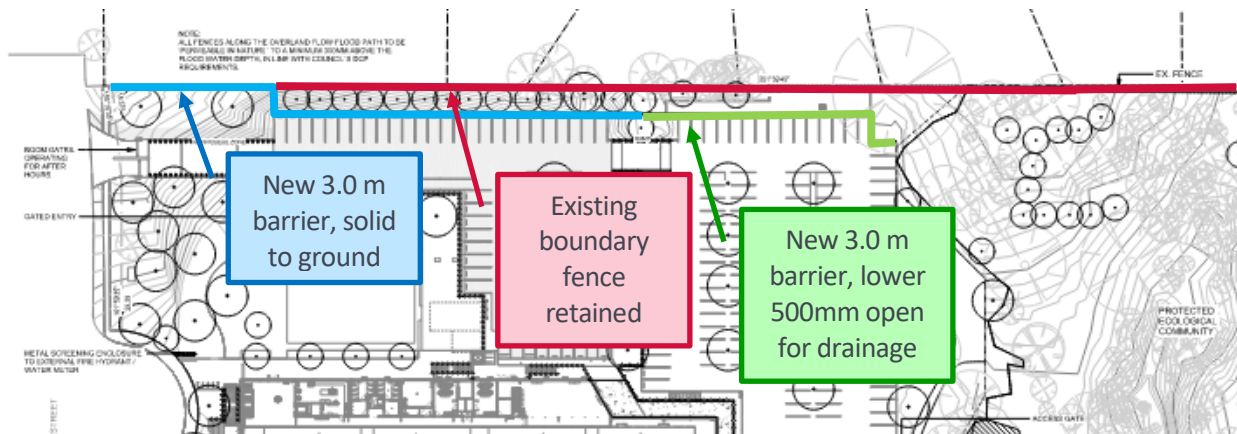
The previously assessed barrier scheme is presented in Figure 1.

**Figure 1: Northern barrier scheme as assessed in Lt 001 r01**



An alternative barrier scheme has been proposed for assessment, with the 3.0 m section of the boundary fence adjoining 4 Daphne Street reduced to 1.8m height, to match the existing fence height. This proposed layout is as show in Figure 2.

**Figure 2: Northern barrier proposed alternative scheme**



The sound pressure level contributions to the receiver identified as 3 Daphne Street in the report (which is the receiver on the boundary of 3 & 4 Daphne St) with the alternative fence design per Figure 2 are as follows (with changes referenced to the results in Lt 001 r01):

- Daytime operations of carpark and indoor courts noise levels (Table 12) increase from a cumulative 40 dB to 44 dB  $L_{Aeq(15min)}$ . This is 1 dB above the criteria of 43 dB. This is the same level of exceedance (1dB) as predicted for the receiver at 7 Daphne Street.
- Evening operations of carpark and indoor courts noise levels (Table 13) increase from a cumulative 34 dB to 39 dB  $L_{Aeq(15min)}$ . This is 3 dB below the criteria of 42 dB.
- Shoulder period restricted operations of carpark and indoor courts noise levels (Table 14) increase from a cumulative 24 dB to 30 dB  $L_{Aeq(15min)}$ . This is 8 dB below the criteria of 38 dB.
- Outdoor netball court noise levels (Table 15) increase from 40 dB to 47 dB  $L_{Aeq(15min)}$ .

An additional question was raised regarding modifications to the barrier at its western extent (adjacent Winbourne Street) including:

- Shortening the barrier extent by around 1 m to allow for pedestrian safety requirements
- Moving the section of fence parallel to the driveway toward the south by between 0 to 1 m (i.e. off the boundary)

Neither of the above two modifications would have significant acoustic impacts.

Yours faithfully

**MARSHALL DAY ACOUSTICS PTY LTD**

**Matthew Ottley**

**Senior Associate**