9 April 2014

John Holland Pty Ltd
Level 3, 65 Pirrama Road
Pyrmont NSW 2009

Attention: Alyce Harrington

Dear Alyce,

ABERCROMBIE PRECINCT REDEVELOPMENT - STAGE 2 CONSTRUCTION

PROJECT BACKGROUND

Construction associated with Stage 1 of the Abercrombie Precinct Redevelopment project is currently underway. Stage 1 of the project comprises the construction of the Abercrombie Business School (ABS) and Stage 2 comprises the construction of the Abercrombie Student Accommodation (ASA) building.

As part of Stage 2 of the Abercrombie Precinct Redevelopment project, the Shepherd Centre and Boundary Lane Childcare Centre located on Abercrombie Street are being demolished and a student accommodation building is proposed to be built on this land. Construction associated with the ASA building will commence once Boundary Lane Childcare Centre has been relocated (as per the requirements of condition B3 of the Project Approval MP07-0158).

Marshall Day Acoustics Pty Ltd (MDA) has previously conducted an assessment of the construction noise and vibration impacts from the ABS site on the nearest receivers and developed a construction noise and vibration management plan (CNVMP) for the site (refer Rp001 R00 2013244SY Abercrombie Precinct Redevelopment Construction Noise & Vibration Management Plan dated 11 July 2013). John Holland Pty Ltd (John Holland) are now seeking for MDA to conduct a high level overview of the construction impacts generated by the ASA site and provide confirmation to verify the suitability of the existing CNVMP for works at the ABS site, as well as the ASA site.
HIGH LEVEL REVIEW

Site Description

Figure 1 below is an aerial photograph of the ABS and ASA construction site and indicates the location of the nearest affected receivers.

Figure 1: Location of ABS and ASA site and nearest impacted receivers (Source: Google Earth)

The nearest residential receivers impacted by the ASA construction site are residences on Abercrombie Street and Mandelbaum House which is a residential college associated with the University. Darlington Public School located to the west of the site will also be impacted by construction from the ASA site.

It can be inferred from Figure 1 above the distance between the residential receivers on Darlington Lane and the ABS site is similar to the distance between the ASA site and the residential receivers on Abercrombie Street. Furthermore, the distance between the ABS site and Darlington Public School as well as Mandelbaum House is also similar to the distance between the ASA site and these receivers.
**Construction activities**

John Holland has confirmed the following:

- Construction plant & equipment associated with the construction of the ASA building will be similar to the construction plant & equipment used on the ABS site. Due to the smaller scale of development of the ASA site, the plant & equipment procured may be smaller.

- The following construction activities will take place simultaneously at the ABS and ASA sites:

<table>
<thead>
<tr>
<th>Time period</th>
<th>ABS site</th>
<th>ASA site</th>
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<tbody>
<tr>
<td>07 April - 12 April</td>
<td>Piling - Along Darlington Public School boundary fence (to be completed by 12 April 2014)</td>
<td>Erection of hoarding along Abercrombie Streets (to be completed by 12 April 2014)</td>
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<td></td>
<td>Earthworks - Zone 3 (completed on 7 April 2014)</td>
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<tr>
<td>14 April - 17 April</td>
<td>Piling (Shoring Wall 15) South west corner of ABS site along the boundary of Boundary Lane Child Care Centre (to be completed by 17 April 2014)</td>
<td>De-energisation of Boundary Lane Childcare Centre and removal of ACM (1 day) - internal works using hand tools</td>
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<td>Internal ceiling soft strip of Boundary Lane Child Care Centre and the Shepherd Centre (1 day) - internal works using hand tools and small plant</td>
</tr>
<tr>
<td>21 April - 26 April</td>
<td>General construction (structure)</td>
<td>Mechanical demolition of remaining buildings/facilities</td>
</tr>
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As demonstrated in the schedule above, high noise generating activities will not be occurring concurrently at the ABS and ASA sites.
Review of construction noise and vibration

The construction noise and vibration impact assessment prepared by MDA for the ABS site presents the worst case calculated noise levels which account for construction activity taking place at the boundary of the site nearest to the impacted receivers. As the distance between the construction site and the impacted receivers is very similar and the proposed construction equipment is expected to either be the same or less intense, it can be concluded that the worst case noise and vibration impacts on the nearest receivers from the ASA site are expected to be very similar to the construction impacts from the ABS site. Therefore, individual calculations have not been carried out to predict the noise impacts from the ASA site.

On the basis that the noise and vibration impacts experienced by the nearest receivers are expected to be similar, we recommend that the management practices and mitigation measures detailed in the existing CNVMP (applicable to the ABS site) are applied to the ASA site as well.

We trust this information is satisfactory. If you have any further questions in relation to this, please do not hesitate to contact us.

Yours faithfully

MARSHALL DAY ACOUSTICS LTD

Anjali Chandhok
Consultant