

**MUSIC FESTIVAL**  
**ALBERT PARK**  
**NOISE MANAGEMENT PLAN**

January 2019

**INTRODUCTION**

St Jerome's Laneway NZ Ltd is proposing to hold an outdoor music festival in the Albert Park area on Auckland Anniversary Day 2019.

Condition 14 of the resource Consent requires the consent holder to submit to Council a noise management plan for certification 2 weeks prior to the commencement of the event.

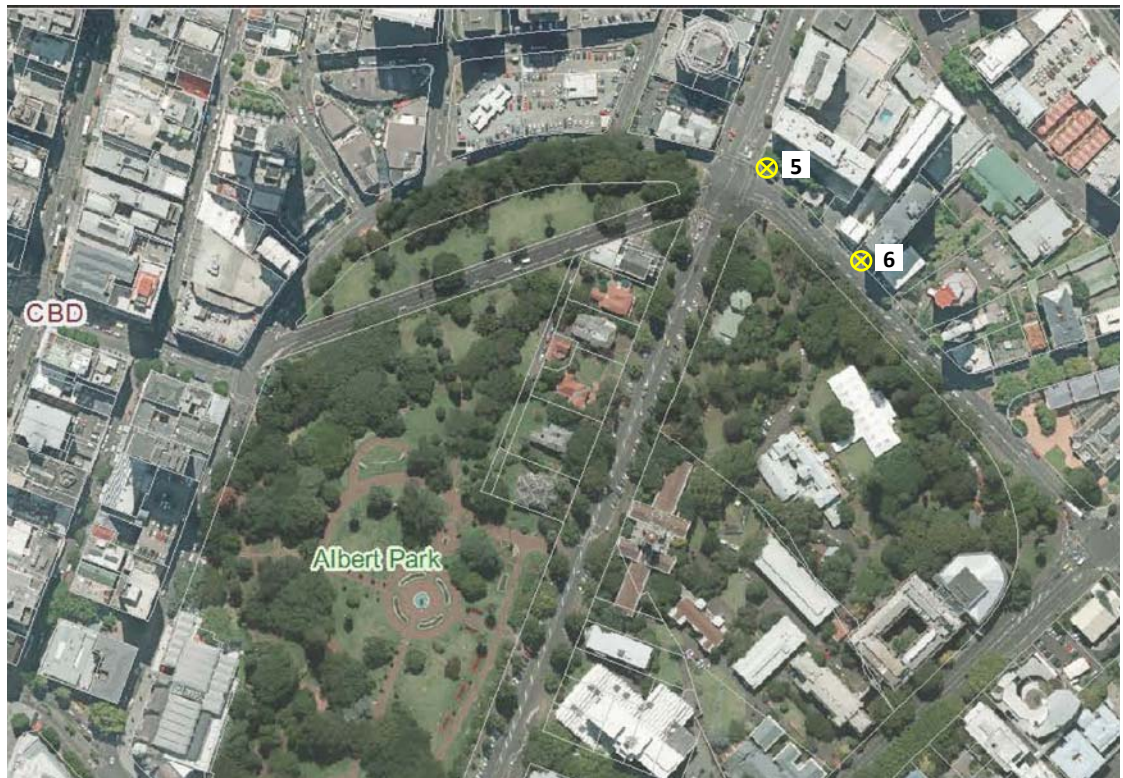
The following are the management techniques that have been developed to ensure that the concert will comply with the requirements of the resource consent and satisfy the requirements of Section 16 of the Resource Management Act by adopting the best practicable option to minimise noise to the neighbours.

**DESIGN LIMITS**

The resource consent for the concert requires the following noise conditions to be met:

14. *The consent holder shall submit to Council (Team Leader Central Monitoring in conjunction with Environmental Health - Noise) a noise management plan for certification 2 weeks prior to the commencement of the event. The management plan shall specify how and where noise measurements will be undertaken and may include measurement points at the mixing desks (once the locations have been confirmed); reverse calculated based on the noise levels in the following condition*
15. *The consent holder shall forward the names and contact details of a person who can be contacted on the day and who will be present on the day and whilst the event is operating and who have the authority to adjust noise levels should they measure to be above the noise levels as*

stated in the AUP (Operative in Part) E40.6.5 (70dB  $L_{Aeq}$  and 80dB  $L_{A01}$ ) at assessment points 5 and 6 identified on the plan below. These details shall be provided to the Principal Specialist Environmental Health - Noise at Auckland Council at least five days prior to the start of the event.



**Figure 1. Noise Assessment Points**

16. *The consent holder shall employ the services of a suitably qualified acoustic specialist to be onsite during the event to ensure noise levels do not exceed the noise level specified in the above condition at points 5 and 6. A noise report showing the level of noise at the measurement points 5 and 6 (predicted to be most affected (Waterloo Quadrant)) shall be forwarded to Council (Team Leader Central Monitoring in consultation with the Principal Specialist Environmental Health - Noise) within five days of the measurements having been taken.*
17. *The consent holder shall have monitoring conducted by a suitably qualified acoustic specialist to demonstrate compliance with the above acoustic conditions. The consent holder's acoustic consultant shall provide an update to a nominated Council representative each hour of the event with the noise levels from that hour. Should this monitoring reveal that the acoustic conditions are not being complied with, the event organiser shall be advised immediately and suitable mitigation measures (as agreed with Council's Principal Specialist Environmental*

*Health - Noise) implemented to ensure that the levels are reduced to compliant levels.*

Assuming all three stages may operate at any one time and based on complying with a level of 70dB  $L_{Aeq}$  and 80dB  $L_{A01}$  at points 5 and 6 as shown in Figure 1, the upper design limit at the mixing desks has been calculated at:

Stage 1:	90dB $L_{Aeq}$ as measured at 30m from the stage
Stage 2:	85dB $L_{Aeq}$ as measured at 25m from the stage
Stage 3:	85dB $L_{Aeq}$ as measured at 25m from the stage

## **THE PROPOSAL**

There are three stages proposed with Stage 1 facing in a southerly direction down Princes Street, Stage 2 facing to the north and Stage 3 facing to the north west. Generally only one stage would be used at a time although there may be short periods when the use of two stages may overlap.

The festival would operate from midday to 10:30pm on Auckland Anniversary Day with some minor sound checks being carried out on the previous day when the stages were being set up.

## **NOISE CONTROL TECHNIQUES**

In order to minimise noise to the receiver points as set out in the conditions of consent (Figure 1 above) it is proposed to have the stage closest to the assessment points facing to the south away from the assessment points.

It is proposed to control the music at source by monitoring the noise at the mixing desk of Stage 1, which is the controlling noise source, to ensure the level does not exceed the design limit as specified above. In addition, the noise will be checked at sites 5 and 6 regularly throughout the festival with times of approximately 2pm, 4pm, 6pm, 7pm and 9pm being recommended. These times will be reviewed on the day and may be modified to reflect any significant deviation from the predicted levels.

That is, if the level is well within the design limit the amount of monitoring will be reduced and if there is any exceedance the amount of monitoring will be increased.

In the event the noise level is shown to exceed the design criteria the operator at the mixing desk will be advised and the level will be reduced. This will ensure the noise limit is complied with.

Monitoring will be undertaken in accordance with the requirements of NZS6801:2008 *Acoustics - Measurement of environmental sound* and assessed in accordance with the requirements of NZS6802:2008 *Acoustics – Environmental Noise*.

### **COMPLAINTS**

A telephone number will be available to the neighbours should they have any concerns about noise from the site.

Any complaint will be handled competently and complaints received acted upon immediately by checking the noise level and if the level is shown to exceed the design criterion the level will be reduced immediately.

A log of any complaints will be kept, which shall include the name and address of the complainant, if available, what action was undertaken to resolve the complaint, and any response.

### **CONCLUSIONS**

The Noise Management Plan sets out methods that may be adopted to minimise the emission of noise from the operation of the music festival. The aim of the Noise Management Plan is to put in place management techniques that will ensure the noise from the music festival remains within the parameters of the resource consent and to control any adverse effect for the neighbours.

By adopting the recommended techniques as set out above any noise from the music festival will comply with the conditions of the resource consent and satisfy the requirements of Section 16 of the Resource Management Act to adopt the best practicable option to minimise any noise from the site.

\* \* \*