

The Music Office took the below sound measurements on January 20th, 2015 during late night concrete placing at, 2nd and San Antonio, (Block One). Based on what we observed, it is apparent that greater containment of sound can be accomplished.

The contractors had built a temporary plywood wall around portions of the pump (we are told they have since bolstered this considerably). The surfaces surrounding the pump were all hard and reflective, thus contributing to the sound travel. Installation of absorbent materials on reflective surfaces will be necessary in order to attenuate and help contain the sound levels.

Given that the pump typically remains stationary the entire duration of the build (specific to the pour we observed and similar situations), sound levels from it could be much better contained, without great expense.

Containing the sound from the delivery trucks presents more of a challenge, but we are optimistic that there are solutions for that issue as well.

01/20/2015 Block One Sound measurements

At an approximate distance of 15' from the pump at ground level

A weighting 95.4

C weighting 113.0

At an approximate distance of 5' behind plywood built to contain noise from the pump at ground level

A weighting 87.5

C weighting 111.0

At an approximate distance of 20' from concrete delivery truck during full spin cycle at ground level

A weighting 91.8

C weighting 111.8

At an approximate distance of 100' (2nd floor of Amli garage) from concrete delivery truck during full spin cycle

A weighting 63.2

C weighting 87.1