WI #16-085

Report No. NM2-1
Glenview Elementary – Noise Monitoring

To	Wil Newby, OUSD
Prepared By	Tom Ostrander
Reviewed By	Deborah Jue
Date of Report	November 7, 2016
Location of Monitoring	NM2 – 1541 Wellington backyard
Monitoring Period Covered By Report	Wednesday, November 2 to Sunday, November 6, 2016
Equipment	Larson Davis 812, Serial No. 784

Construction Activities: This week continued hard demo of the auditorium, including the removal of footings and demolition of building in NE corner of property. These footings were broken up in place using pneumatic hammers and were removed using excavators.

Comments:

Hourly 65 dBA Leq noise limit. Noise exceeded the 65 dBA limit during the following:

- Wednesday, November 3, between 11 AM and 3 PM, (not Project related, see below)
- Friday, November 4, between 7 and 10 AM and between 1 and 3 PM.

On Wednesday, November 3, the neighbors adjacent to the monitoring site conducted concrete demolition in their backyard at the time of the monitor installation (11AM) and mentioned they would continue this demolition that afternoon. Thus, the noise levels measured on Wednesday. November 3 were not caused by Project activities.

Current noise mitigation measures include a 10 ft high sound blanket barrier surrounding the upper yard, noise reducing ear muffs distributed to neighbors, and a daily construction schedule which shifts major demolition activities to start no earlier than 8 AM (whereas construction activities are normally allowed to start at 7 AM). These measures are the best available, reasonable and feasible practices for reducing noise given the project constraints.

Extreme noise. There were no periods where the Lmax levels exceeded 90 dBA.

The project complied with the City noise ordinance for over 80% of the work week; the project is providing the best available mitigation measures for those times when the noise exceeds the limits.

Figure 1 Area site plan and Noise Monitoring Location

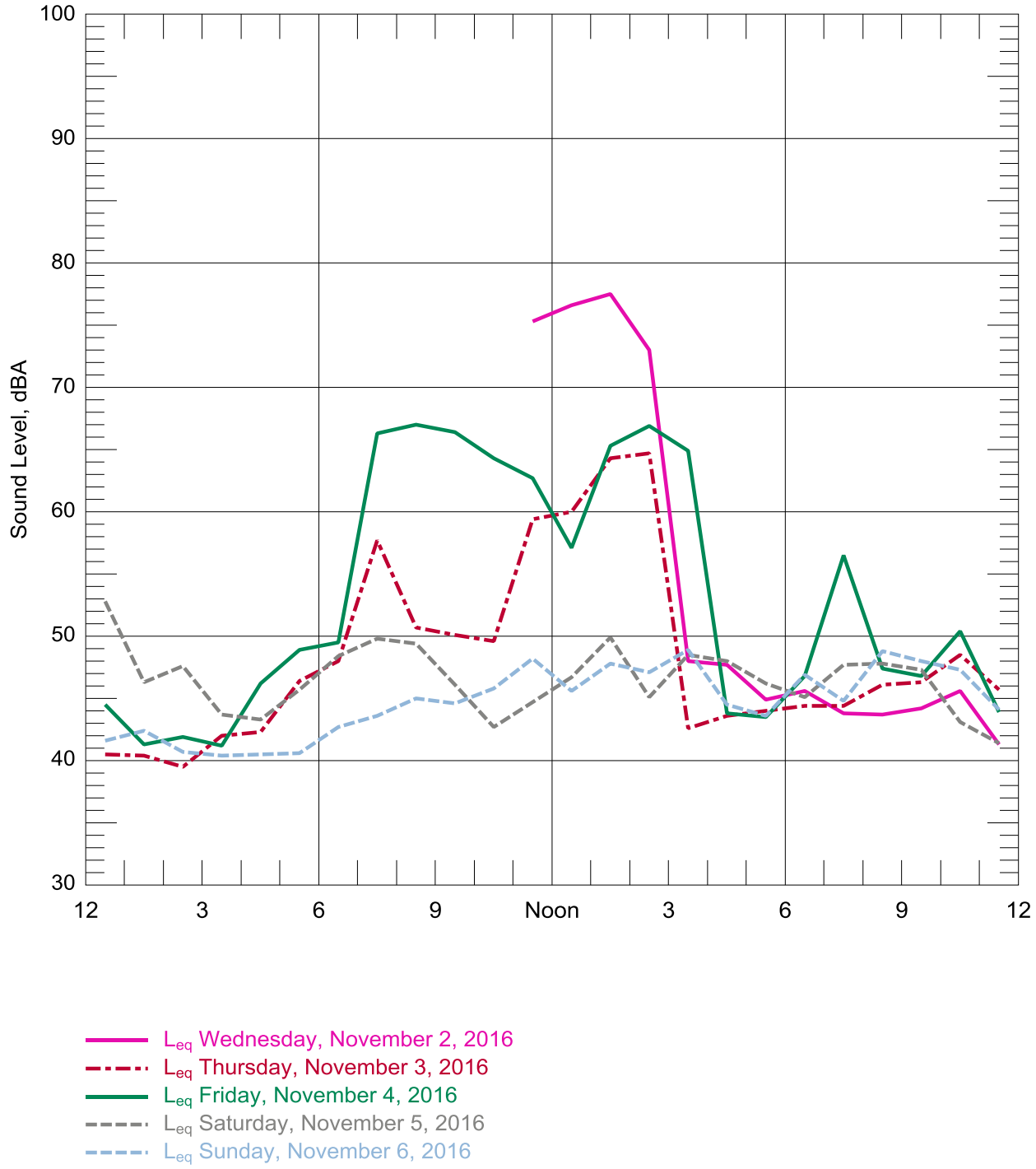

Figure 2: Hourly Energy Equivalent Noise Levels - NM2 (Wellington)

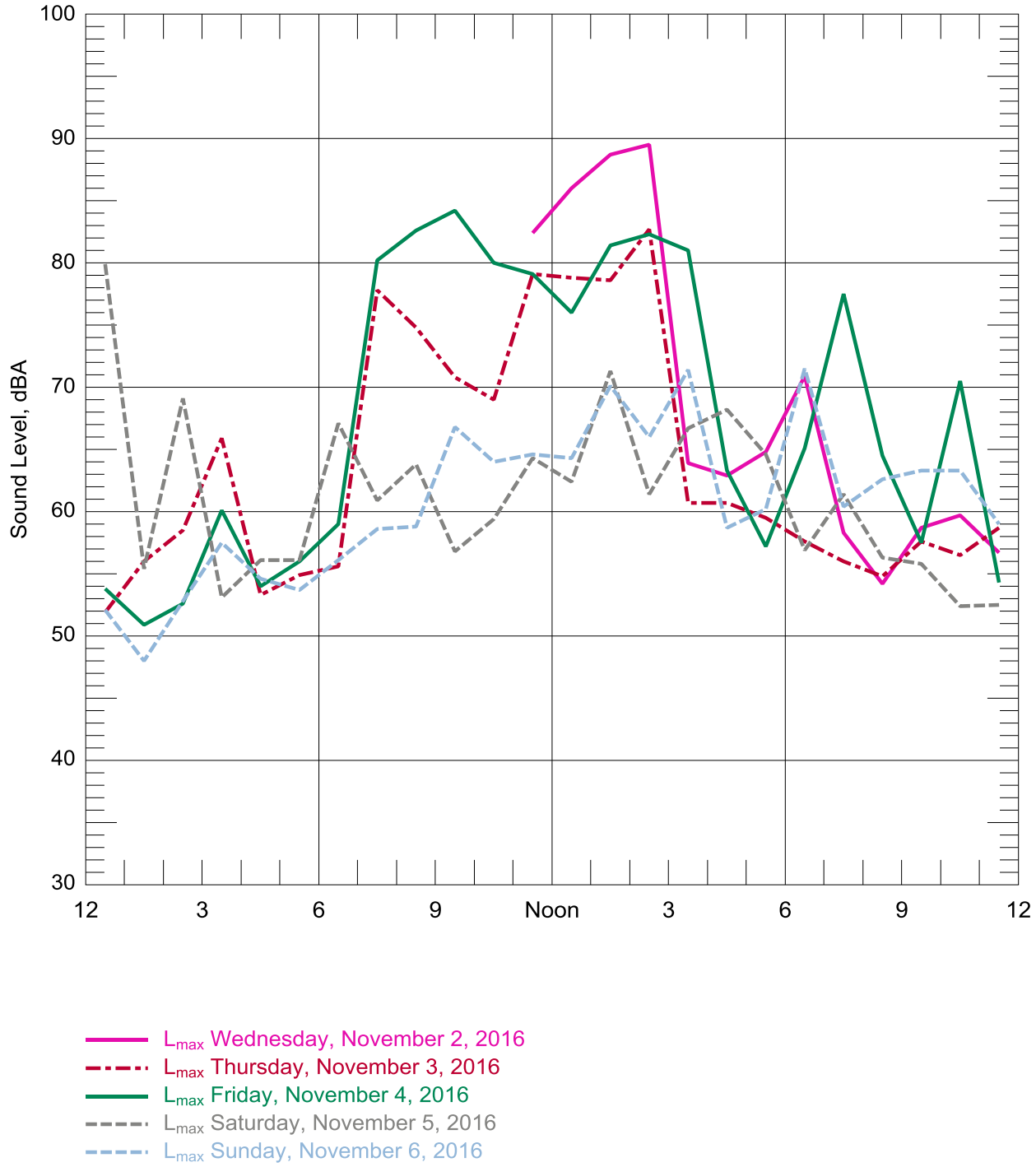

Figure 3: Hourly Lmax Noise Levels - NM2 (Wellington)