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WI #16-085

Report No. NM1-5
Glenview Elementary – Noise Monitoring

To	Wil Newby, OUSD
Prepared By	Tom Ostrander
Reviewed By	Deborah Jue
Date of Report	October 24, 2016
Location of Monitoring	NM1 – 1532 Hampel backyard
Monitoring Period Covered By Report	Monday, October 17 to Sunday, October 23, 2016
Equipment	Larson Davis 812, Serial No. 785

Construction Activities: This week continued hard demo of the auditorium, including the remaining portion of the building adjacent to the monitoring location between Monday, October 17 to Wednesday, October 19 and the removal of footings along the property line beginning on October 20. These footings were broken up in place using pneumatic hammers and were removed using excavators.

Comments:

The noise monitoring unit was reset for maintenance purpose on Monday, October 17, between the hours of 10-11 AM. Thus there is a gap in the data during this time period.

Hourly 65 dBA Leq noise limit. Construction noise exceeded the 65 dBA limit on Monday, October 17, between 9 and 10 AM and between 2 and 3 PM, Tuesday, October 18, between 10 and 11 AM and between 1 and 3 PM, Wednesday, October 19, between 7 and 10 AM and between 11 AM and 2 PM, Thursday, October 20, between 9 AM and 12 PM, between 1 and 2 PM, and between 3 and 4 PM, and on Friday, October 21, between 11 AM and 12 PM and between 2 and 4 PM. 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 was one period where the Lmax levels exceeded 90 dBA on Thursday, October 20, between 1 and 2 PM.

The project complied with the City noise ordinance for about 60% of the work week; the project is providing the best available mitigation measures for those times when the noise exceeds the limits.

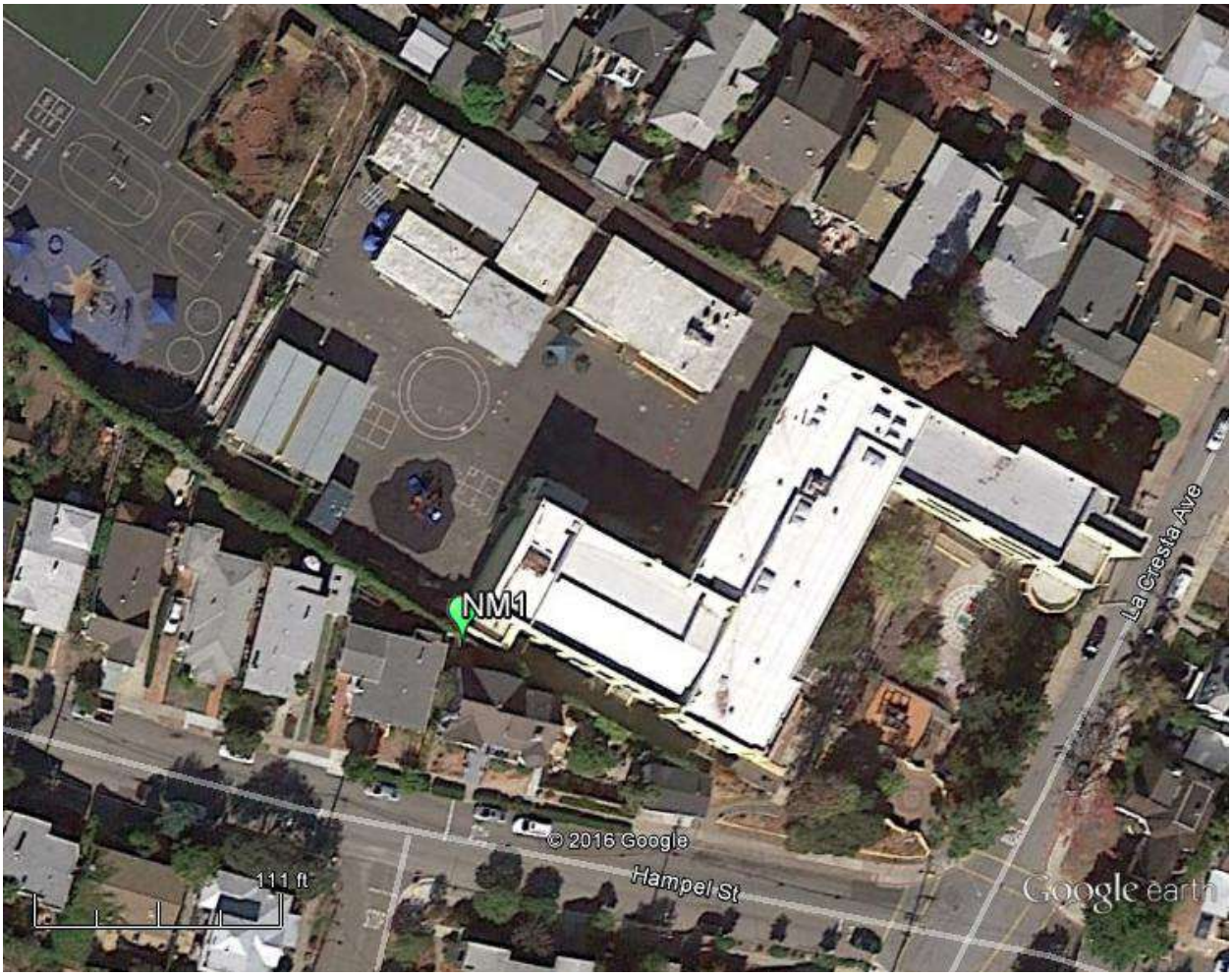

Figure 1 Area site plan and Noise Monitoring Location

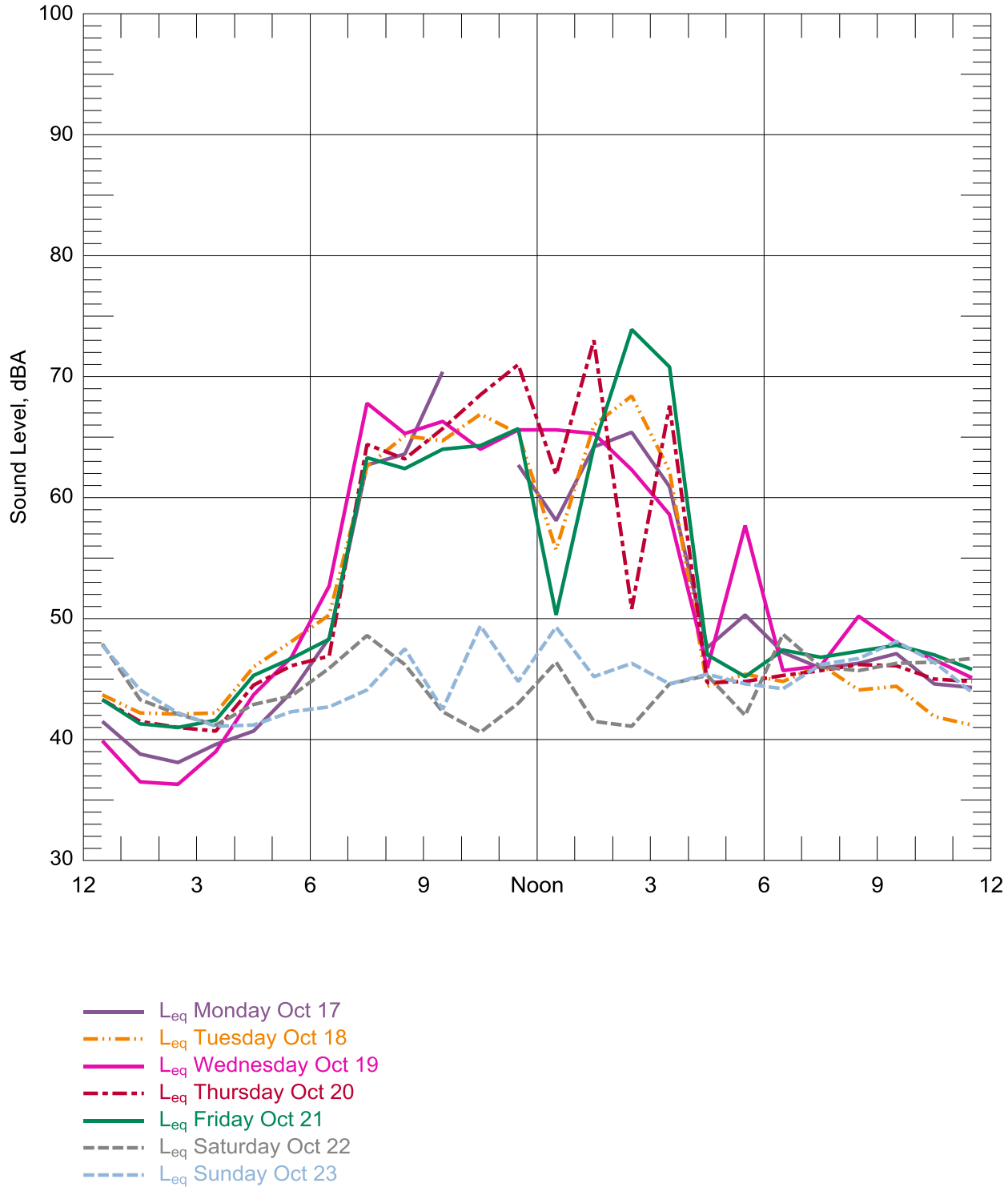

Figure 2: Hourly Energy Equivalent Noise Levels - NM1 (Hampel)

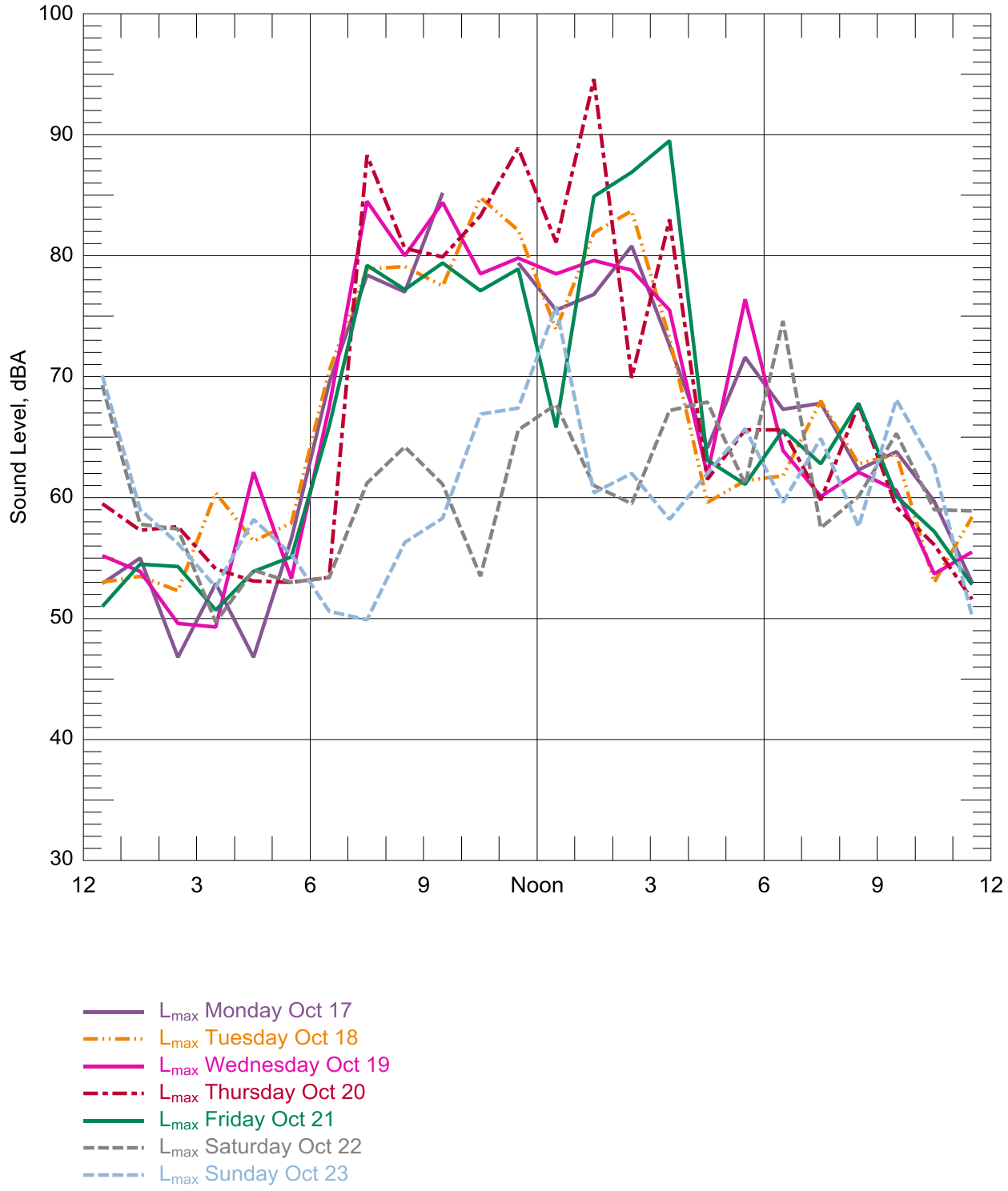

Figure 3: Hourly Lmax Noise Levels - NM1 (Hampel)