



Report No. NM1-8
Glenview Elementary – Noise Monitoring

To	Wil Newby, OUSD
Prepared By	Tom Ostrander
Reviewed By	Deborah Jue
Date of Report	November 15, 2016
Location of Monitoring	NM1 – 1532 Hampel backyard
Monitoring Period Covered By Report	Monday, November 7 to Sunday, November 13, 2016
Equipment	Larson Davis 812, Serial No. 785

Construction Activities: This week concluded the 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. Other elements of debris were also processed in the upper yard of the school property.

Comments:

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

- Monday, November 7, between 2 and 4 PM
- Tuesday, November 8, between 8 and 9 AM, between 11 AM and 1 PM, and between 2 and 4 PM
- Wednesday, November 9, between 9 and 10 AM, and 2 and 4 PM
- Thursday, November 10, between 9 AM and 1 PM, and between 2 and 4 PM
- Friday, November 11, between 11 AM and 12 PM
- Saturday, November 12, between 3 and 4 PM (Not during the project work hours)

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 level exceeded 90 dBA, on Saturday, November 12, between 3 and 4 PM (not during the project work hours).

The project complied with the City noise ordinance for over 70% of the work week; the project is providing the best available mitigation measures for those times when the noise exceeds the limits.

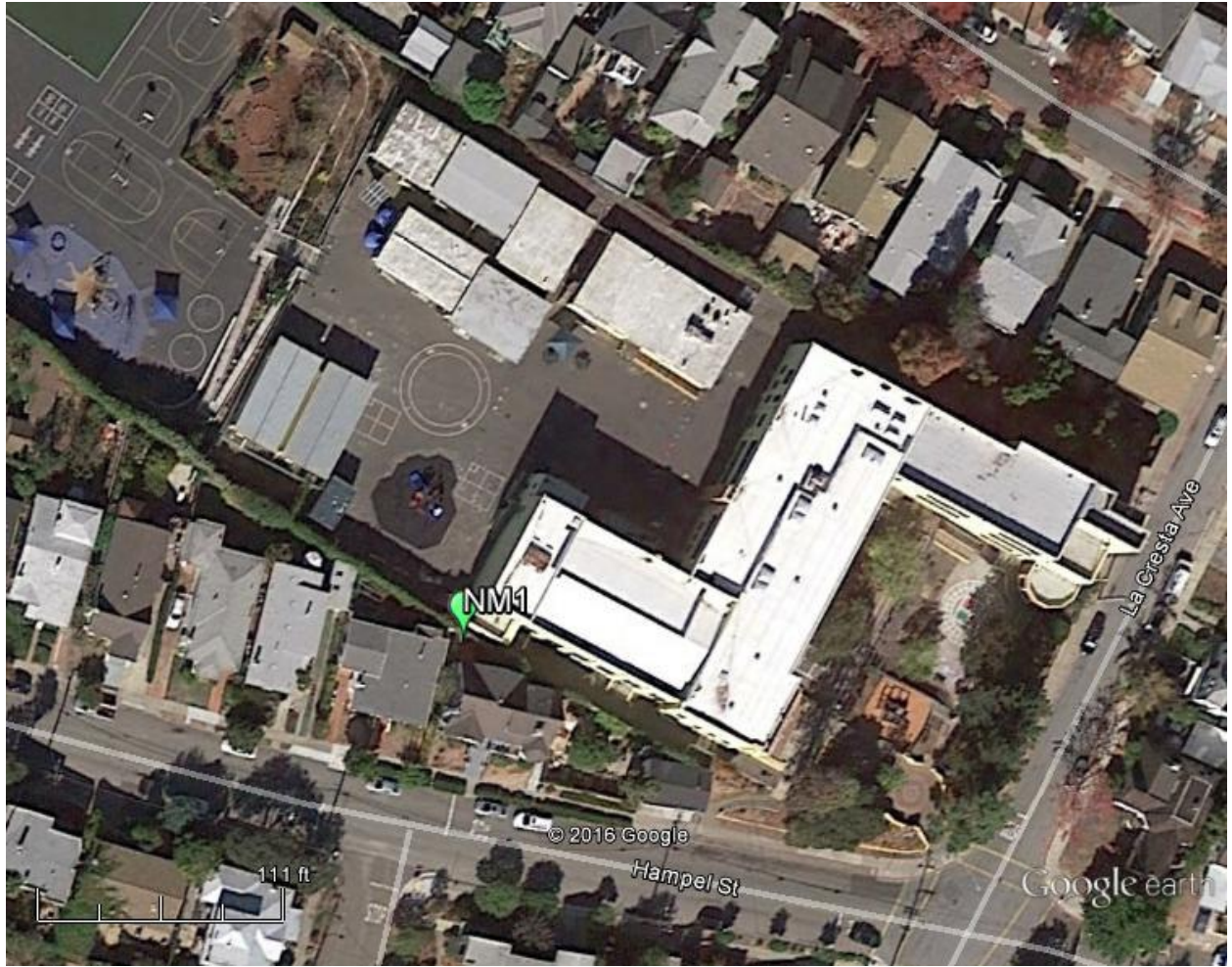


Figure 1 Area site plan and Noise Monitoring Location

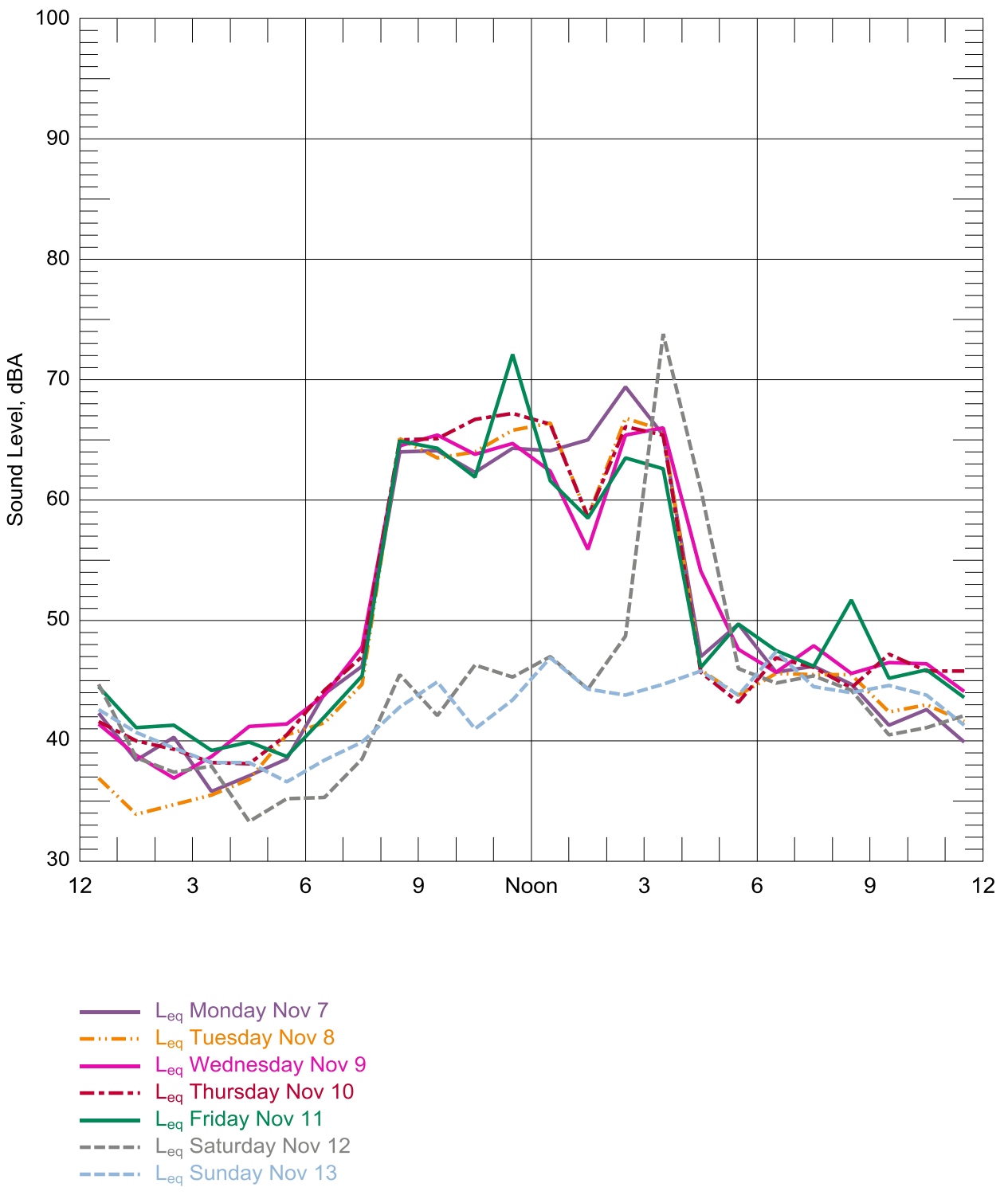


Figure 2: Hourly Energy Equivalent Noise Levels - NM1 (Hampel)

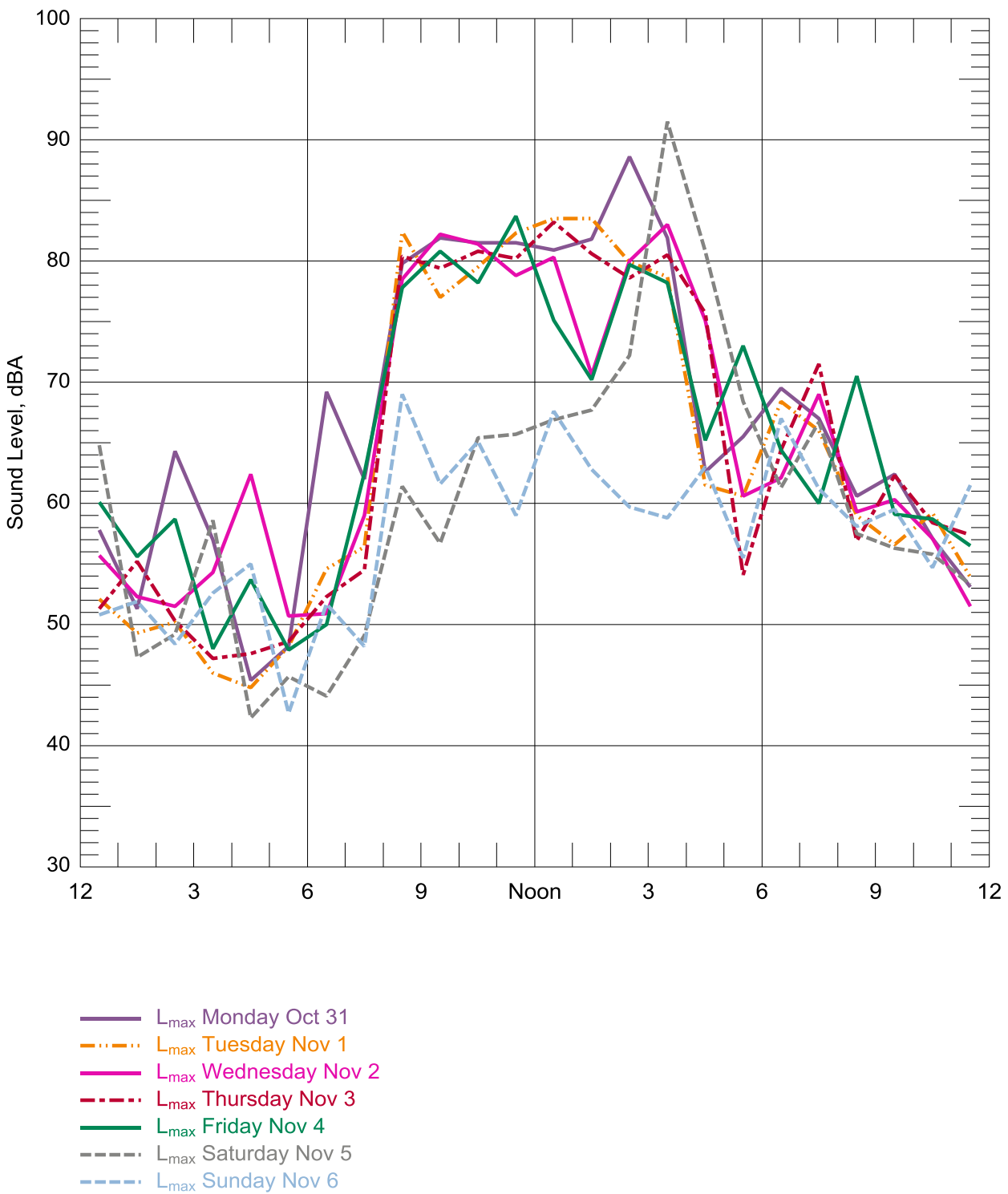


Figure 3: Hourly L_{max} Noise Levels - NM1 (Hampel)