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SUBJECT: Arrow and Branch Winery, Napa County, CA
Clarification of Outdoor Music Sound Levels referenced in 10/18/23 ENA.

Illingworth & Rodkin, Inc. (I&R) has been requested for clarification as to the type of non-amplified outdoor music analyzed in our 10/18/23 Environmental Noise Assessment (ENA) for the Arrow and Branch Winery Use Permit Modification which would, and would not, comply with Napa County noise standards at the closest noise sensitive residential uses to the project.

Though the project description stated that no amplified music would occur at the project, it did not prohibit non-amplified music in the outdoor areas of the project. Considering this and based on the typical desire of winery and other hospitality uses to create a pleasant ambiance, our analysis considered that outdoor events may include non-amplified music as a background acoustical element for events or as music performances as the focus of events.

These two types of music differ as follows:

- Non-amplified background music typically takes the form of one or a few musicians (typically string instruments, piano, vocalists, or similar) performing at lower sound levels which do not compete or interfere with guest conversations,
and,
- Non-amplified music performances typically involve a larger musical group (i.e., a quartet or larger, which may include strings, brass, drums, piano, and/or vocals) performing at higher sound levels and acting as the focus of the event.

Based on our professional experience, outdoor non-amplified music performances alone typically produce sound levels that are 5 dBA greater than those produced during an event with the maximum number of guests proposed by the project (125) in raised conversation and concurrent non-amplified background music (see ENA Table 5 and its footnote).

Considering the sound level difference between events with non-amplified music performances and events with 125 Guests in conversation with the non-amplified background music, as shown in Table 12a of the report, our ENA found that;

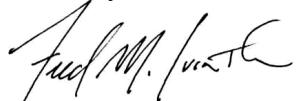
- The sound levels at the adjacent residential property lines due to events held at the covered outdoor patio with non-amplified music performances would exceed the County noise limits at the closest noise sensitive residential uses to the project, and that,
- The sound levels at the adjacent residential property lines due to events held at the covered outdoor patio with non-amplified background music played during events with up to 125 guests would not exceed the County noise limits at the closest noise sensitive residential uses to the project.

Therefore, based on our analysis found that outdoor events;

1. Should not include music performances (non-amplified or amplified), and
2. May include non-amplified background music played during events with up to 125 guests.

This concludes I&R's clarification of the type of outdoor music analyzed in, and the noise restrictions needed to address the issues associated with outdoor music in, our 10/18/23 ENA for the Arrow and Branch Winery Use Permit Modification. Please do not hesitate to call with any questions or concerns.

Sincerely,



Fred M. Svinth, INCE, Assoc. AIA
Principal, Senior Consultant
Illingworth & Rodkin, Inc.