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May 12, 2020

Los Pinos Apartments LLC
5885 Mountain Hawk Drive
Santa Rosa, CA 95409
VIA E-MAIL: joe.dorger@outlook.com

**SUBJECT: Addendum to July 12, 2019 Noise Assessment Report
Los Pinos Apartments 3496 Santa Rosa Avenue, Santa Rosa, CA**

Dear Sirs:

Following, please find Addendum 1 to Illingworth & Rodkin, Inc's (I&R) July 12, 2019 Noise Assessment Report which addresses noise levels in the project's outdoor Children's play area, and noise mitigation needed to allow noise levels in this area to meet County noise standards as requested in a January 15, 2020 Draft Health Conditions letter from the County Permit and Resource Management Department (PRMD):

On Page 7 of our July 12, 2019 Noise Assessment Report I&R mistakenly identified the closest noise sensitive outdoor use areas to Santa Rosa Avenue as Plaza 1, which would be located behind the westernmost residential building and the center of which, with consideration of noise shielding intervening residential structures, would be exposed to expected future traffic noise levels of 60 dBA L_{dn} or less.

Since this report was published it has brought to our attention that there will be a children's play area on the north side of the previously analyzed plaza. This western edge of the identified children's play area is approximately 125 feet from the centerline of Santa Rosa Avenue (or ~90 feet from the roadway edge). Given its position, this area will be only partially shielded from roadway noise by the two-story residential structure situated to the southwest of the play area¹.

Based on the noise monitoring survey results, the existing noise level at the western edge of the play area would be 67 dBA L_{dn} without consideration of the noise shielding supplied by intervening buildings. With consideration of the partial noise shielding from the intervening building to the southwest the existing noise level at the western edge of the play area would be between 64 and 65 dBA L_{dn} . As discussed in our 2019 Noise Assessment Report, the future noise environment on the project site is expected to increase by approximately 1 decibel over existing noise levels. Such an increase would result in an L_{dn} level of between 65 and 66 dBA at

¹ Project residential buildings would shield about 40% of the view (and block an equal percentage of noise) of Santa Rosa Avenue Traffic. Because an average day/night level (L_{dn}) is based on hourly average noise levels, and average noise levels are based on the overall acoustic energy received at any given location, this reduction in overall sound exposure would be expected to reduce the L_{dn} levels in this area by 2 to 3 dBA.

the western edge of the children's play area. Considering this existing and future noise level in the children's play area are be expected to exceed the Sonoma County's acceptable exterior noise level objective of 60 dBA L_{dn} .

Mitigation: To reduce noise levels in the identified Children's Play area a 6-foot high noise barrier wall or fence should be installed at the western and northern perimeter of children's play area as in Figure A1, following.

To be effective as a noise barrier, this wall must be built without cracks or gaps in the face or large or continuous gaps at the base and have a minimum surface weight of 2.5 lbs. per sq. ft. Acceptable materials for such walls include a 2x4 wood framed wall with wood or stucco finishes, 1/2" thick visually clear acrylic (e.g. Plexiglas or Lexan) panels, masonry block walls, and solid wood fencing. For a wood fences to meet these requirements, we typically recommend that the fence be double faced with butted vertical fence boards on each side with a continuous layer of 1/2" plywood. Using the plywood ensures continued effectiveness of the barrier with age, since wood slats alone have a tendency to warp and separate with age allowing gaps to form and the barrier effect of the wall to diminish.

The implementation of this measure will reduce the noise levels in the children's play area to 60 dBA L_{dn} or less and reduce this potential noise impact to a less-than-significant level.

This concludes Addendum 1 to Illingworth & Rodkin, Inc's (I&R) July 12, 2019 Noise Assessment Report.

Sincerely,



Fred M. Svinth, INCE, Assoc. AIA
Senior Consultant, Principal
ILLINGWORTH & RODKIN, INC.
Figure A1

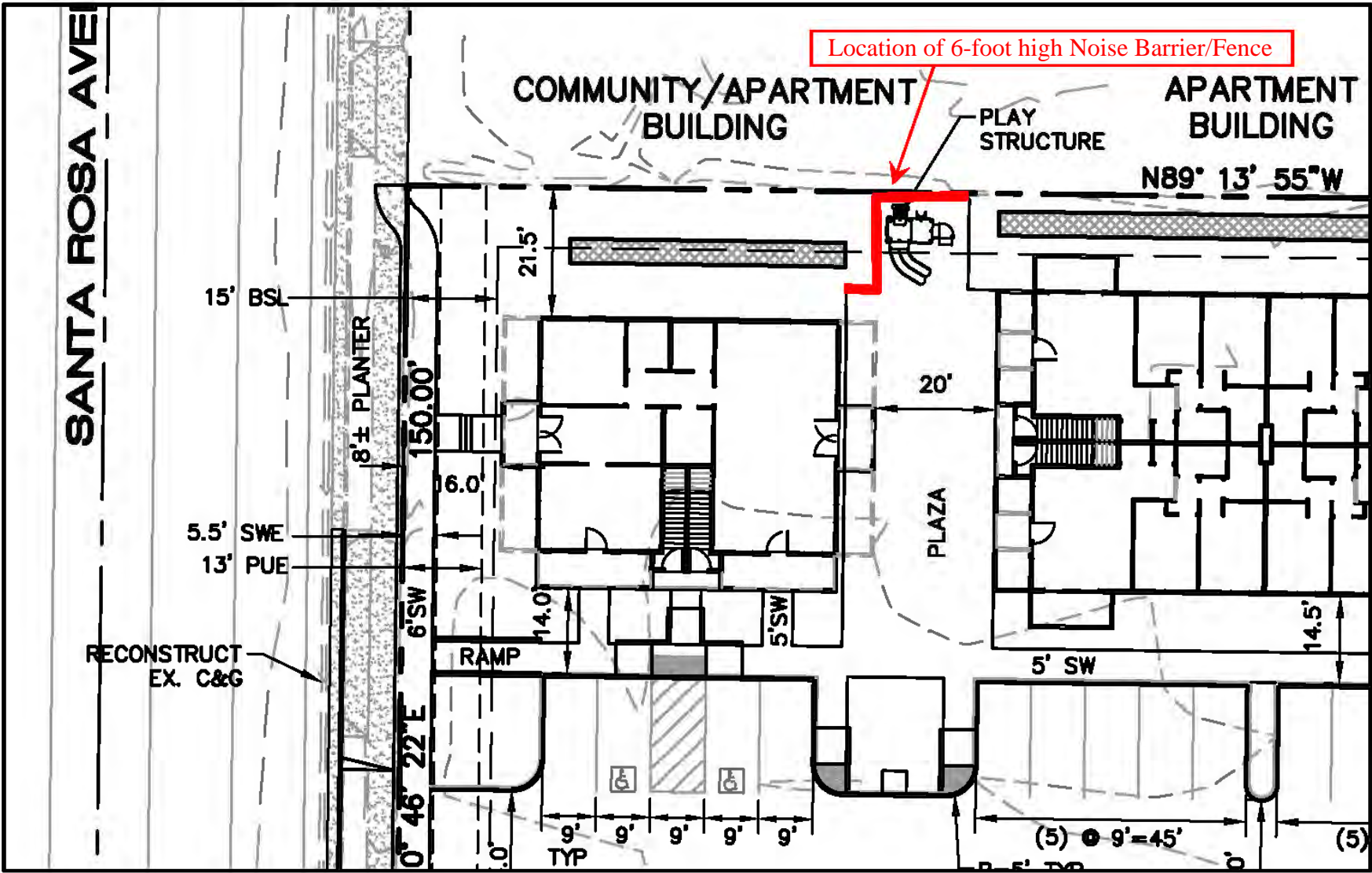


Figure A1: Placement of 6-foot high Noise Barrier