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Appendix E

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20 December 2004

RECEIVED
DEC 22 2004
DAVID J. POWERS
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Subject: **The Californian, Milpitas, CA -- Acoustical Consulting**
CSA Project No. 04-0429

Dear Shannon:

This letter summarizes our supplemental noise analysis for the subject project. As you know, we had initially evaluated roadway noise levels at the project's common open spaces in our report to Barry Swenson Builder, dated 26 February 2004. For this analysis, we re-evaluated the effectiveness of an 8-foot tall sound wall for the common open spaces based on the latest traffic volume predictions. We determined the extent of the open spaces that would be acoustically shielded to a future noise level of no more than DNL 65 dB. We also calculated the resultant maximum noise levels from pile driving that would be heard at the existing adjacent land uses.

The two proposed common open spaces for the project include the open lawn area located mostly to the south and east of the proposed south tower and the pool and deck located on top of the four-story parking structure. An 8-foot sound wall is planned at the eastern property line to acoustically shield some State Route 237 and I-680 traffic noise to the open lawn area.

We calculated the cumulative (Year 2030) traffic noise levels based on traffic volumes provided by Hexagon Transportation Consultants for the project. The cumulative traffic noise levels for S.R. 237 and I-680 are about 1 dB greater than our measured noise levels. The future noise levels at the open lawn area would range between DNL 60 and 66 dB. I-680 is the primary source of noise heard at this part of the site. Approximately 20% of the open lawn area would be between DNL 65 and 66 dB. This 20% is located at the southeast corner of the project site. The remainder of the lawn area would be exposed to a DNL of no more than 65 dB. The Milpitas Noise Element considers a DNL of no more than 65 dB to be "normally acceptable," while a DNL between 60 and 70 dB is considered "conditionally acceptable."

At the pool and deck located on top of the four-story parking structure, the future noise level would be approximately DNL 61 to 62 dB and considered "normally acceptable." At this location, I-680 and S.R. 237 are the primary sources of noise. These calculated noise levels take into account the acoustical shielding that would be provided by the edge of the elevated I-680 highway, the proposed 8-foot tall sound wall and the proposed building structures.

We understand that there is a possibility that up to 30 days of pile driving could occur during construction. The Milpitas Noise Ordinance (Chapter 213 of the Municipal Code) limits construction hours to 7 a.m. to 7 p.m. The A-weighted peak noise level generated by pile driving is typically 100 dB $\pm$ 5 dB measured at a distance of 50 feet. The Kaiser Out-Patient building is located 170 to 360 feet from where the pile driving would occur at the project. Therefore, the resultant A-weighted peak noise levels from pile driving would range between 83 and 89 dB at the eastern façade of the Kaiser building. The existing single-family development located south of Los Coches Street is located 150 to 500 feet from where the pile driving would occur. By calculation, the A-weighted peak noise levels from pile driving would range from 80 to 90 dB at the second floor facades of homes nearest the sound wall of the existing development.

This concludes our supplemental noise analysis for the subject project. Please call with any question.

Sincerely,

CHARLES M. SALTER ASSOCIATES, INC.

Michael D. Toy, P.E.
Principal Consultant

Encl: sketch of approximate DNL 65 dB contour.

MDT/dg
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