

APPENDIX K

SOUND TRANSMISSION

SECTION AK201 SOUND MITIGATION GENERAL

AK201.1 General. New one- and two-family and townhome residential construction shall be required to have sound mitigation due to noise generated by aircraft operations at Sky Harbor International and Deer Valley airports.

The defined boundaries for airport sound mitigation requirements are shown in Figures AK201.1 (a) and (b). The defined boundaries are composed of the three noise overlay areas:

Zone 1: 65 dB DNL noise exposure area.

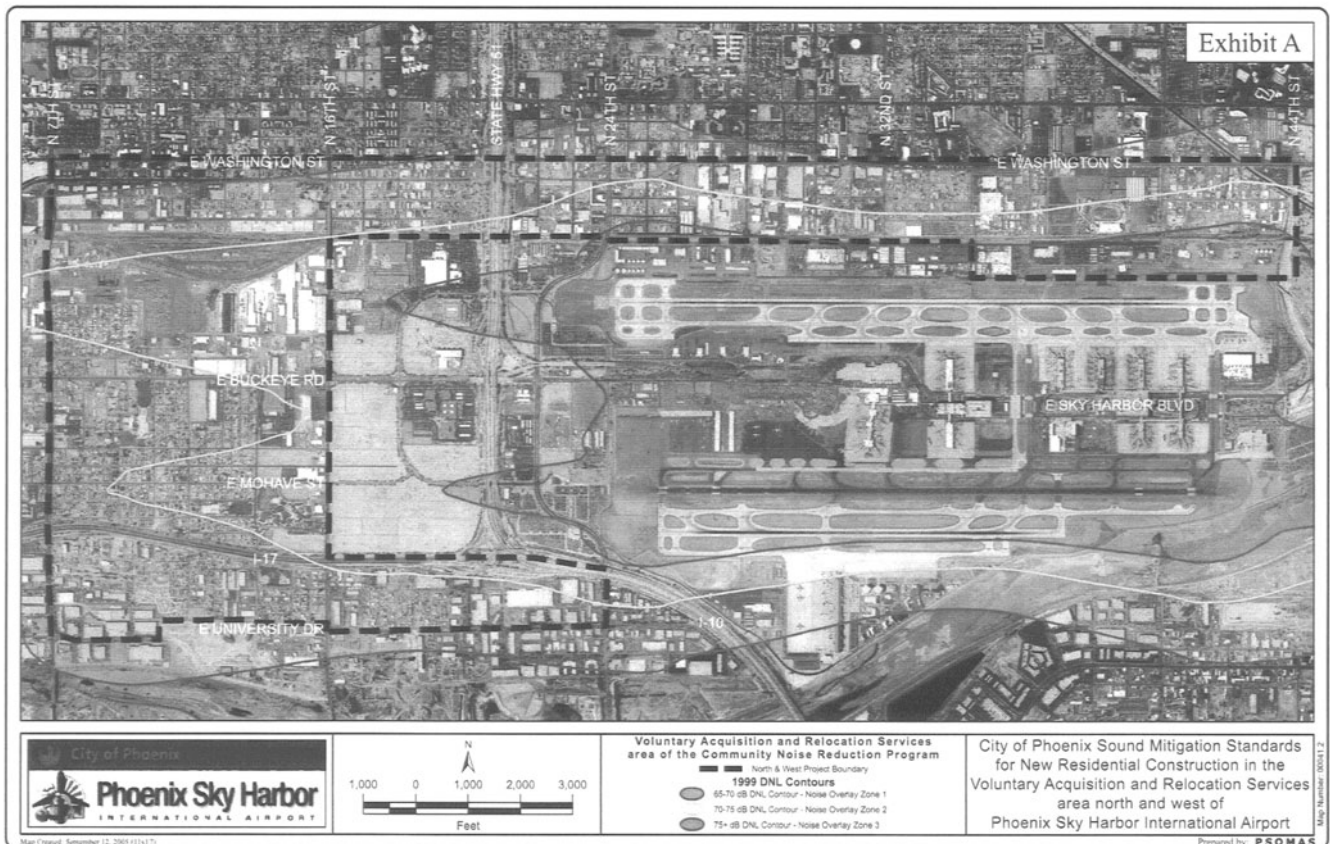
Zone 2: 70 dB DNL noise exposure area.

Zone 3: > 75dB DNL noise exposure area.

SECTION AK202 REQUIREMENTS

AK202.1 General. All new structures referenced in Section AK 201.1 shall be sound mitigated so indoor noise levels do not exceed a DNL of 45 decibels in any zone. If any portion of a parcel is located in a zone, the structure on the parcel shall be sound mitigated. If a parcel is located in two zones, the structure shall be sound mitigated to the requirements of the higher zone.

AK202.2 Plans required. Plans shall be signed and sealed by an engineer licensed in Arizona with a proficiency in residential sound mitigation or noise control. The engineer shall note on the building plans “The building design is capable of achieving the required Noise Level Reduction.” A notice recorded with the Maricopa County Recorder shall be submitted with the plans at time of permit application. The notice shall state that the property is within an airport noise impact area and the property, as a result of the improvements, is not eligible for purchase

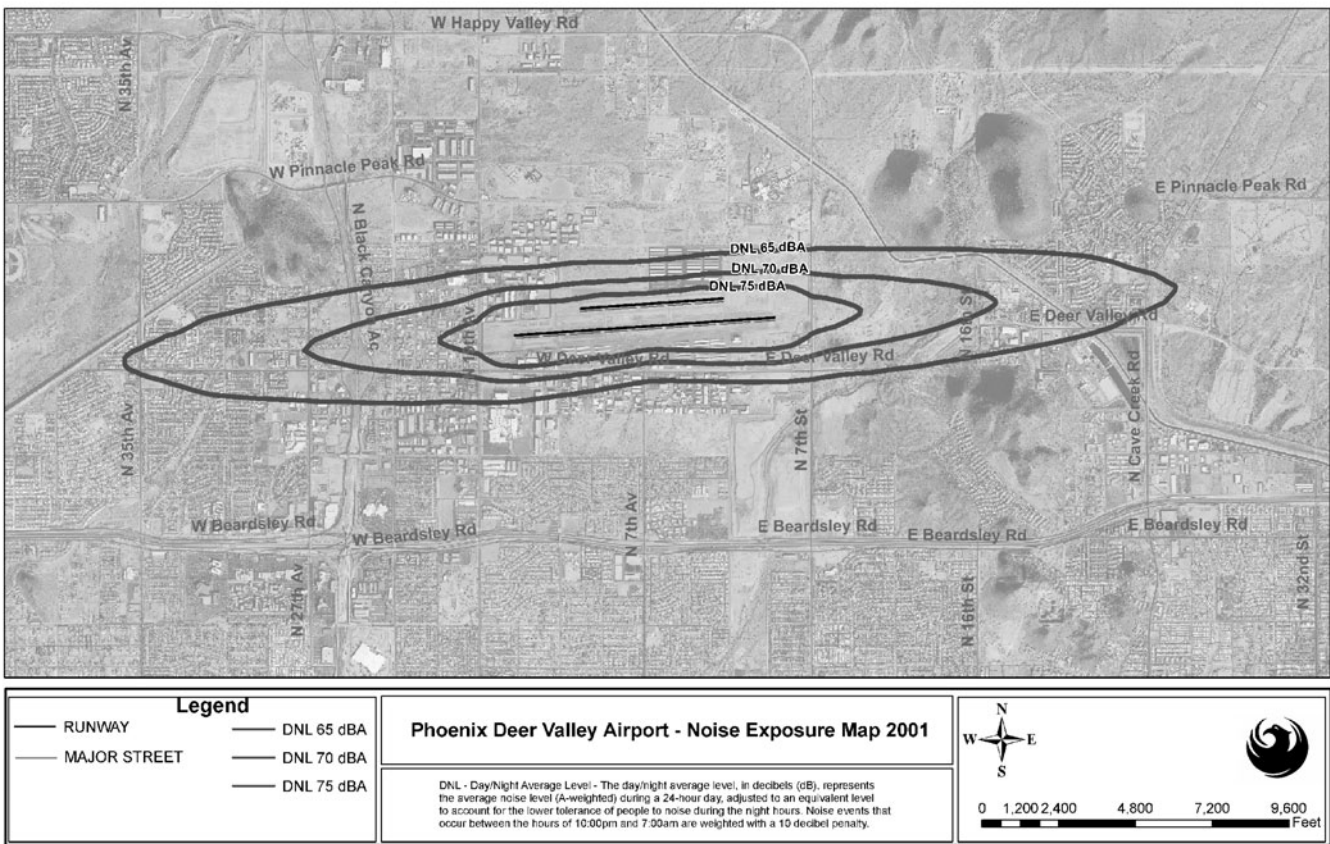


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**SKY HARBOR INTERNATIONAL AIRPORT
FIGURE AK201.1(a)**

through the Phoenix Sky Harbor International or any other Airport Community Noise Reduction Program. The recorded document shall be on a form approved by the City Attorney's Office.

AK 202.3 Airport sound mitigation observation. The engineer of record is responsible for verifying that the construction meets the sound mitigation requirements for the zone in which the structure has been constructed. An airport sound mitigation observation certificate that has been signed and sealed by the engineer of record shall be present at the time of final inspection. The engineer shall note "The structure as constructed complies with the Noise Level Reduction requirements for the overlay zone in which the structure has been constructed." The certificate shall be retained by the Development Services Department Records section for the life of the building.



**DEER VALLEY AIRPORT
FIGURE AK201.1(b)**