

**Phoenix Building Construction Code
Updated Amendments to the
2003 International Residential Code**

**CHAPTER 2
DEFINITIONS**

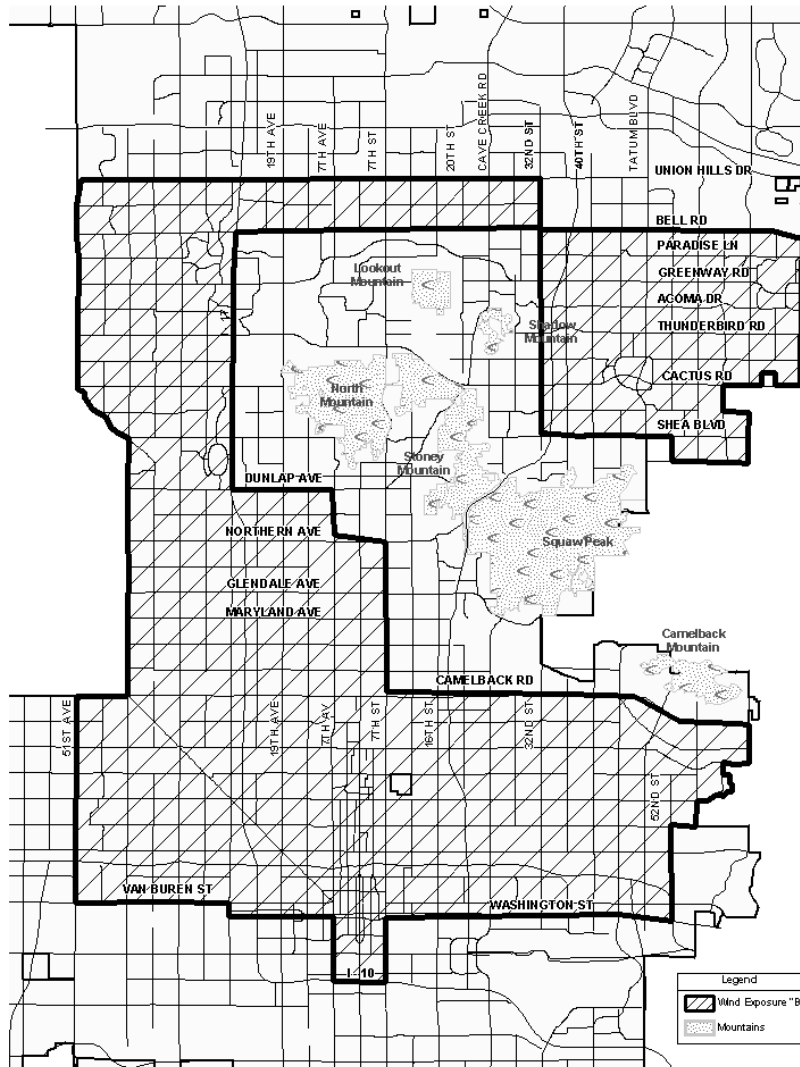
Section R201 Change to read as shown:

STANDARD PLANS. Plans authorized by the Development Services Department to be used in construction on a repetitive basis. Standard plans may include options allowing variations to the building design that may alter the interior and exterior appearance.

**CHAPTER 3
BUILDING PLANNING**

**Section R301.2.1.4 Change to read as shown;
exceptions not shown have not changed:**

R301.2.1.4 Exposure category. For each wind direction considered, an exposure category that adequately reflects the characteristics of ground surface irregularities shall be determined for the site at which the building or structure is to be constructed. For a site located in the transition zone between categories, the category resulting in the largest wind forces shall apply. Account shall be taken of variations in ground surface roughness that arise from natural topography and vegetation as well as from constructed features. For any given wind direction, the exposure in which a specific building or other structure is sited shall be assessed as being one of the following categories. Refer to Figure R301.2(4).1 for wind exposure zones in the City of Phoenix. This figure identifies areas within the City of Phoenix in which Exposure B may be used for structures three stories or 45 feet (13 716 mm) or less in height. The registered design professional may use Exposure C in this area



**FIGURE R301.2(4).1
WIND EXPOSURE ZONES IN THE CITY OF PHOENIX**

if this is more appropriate based on his or her judgment. Exposure C shall be used in this region unless the registered design professional can provide evidence of a lesser exposure.

1. Exposure A. This exposure category is no longer used in ASCE 7.

**CHAPTER 4
FOUNDATIONS**

Table R401.4.1 Change to read as shown:

**TABLE R401.4.1
PRESUMPTIVE LOAD-BEARING VALUES OF
FOUNDATION MATERIALS^a**

CLASS OF MATERIAL	LOAD-BEARING PRESSURE (pounds per square foot)
No change	No change
Sand, silty sand, clayey sand, silty gravel and clayey gravel (SW, SP, SM, SC, GM and GC)	1,500 ^b
Clay, sandy clay, silty clay, clayey silt, silt and sandy silt (CL, ML, MH and CH)	1,000 ^b

For SI: No change

- a. No change
- b. Where the building official determines that in-place soils with an allowable bearing capacity of less than the values shown in the table are likely to be present at the site, the allowable bearing capacity shall be determined by a soils investigation.

Section R403.1.4 Change to read as shown:

R403.1.4 Minimum depth. Footings shall be placed at least 12 inches (305 mm) below the undisturbed ground support. Where applicable, the depth of the footings shall also conform to Sections R403.1.4.1 through R403.1.4.2.

**CHAPTER 8
ROOF-CEILING CONSTRUCTION**

Section R806.4 Change to read as shown:

R806.4 Conditioned attic assemblies. Unvented conditioned attic assemblies (spaces between the ceiling joists of the top story and roof rafters) are permitted. Interior vapor retarders are not to be installed on the ceiling side (attic floor) of the unvented attic assembly.

**APPENDIX K
SOUND MITIGATION**

Appendix K Change to read as shown:

**SECTION AK101
GENERAL**

AK101.1 General. This appendix contains requirements for new one- and two-family residential construction where sound mitigation is required due to noise generated by aircraft operations at Phoenix Sky Harbor International Airport.

The defined boundaries are shown in Figure AK101.1 and are within the 1999 Yearly Day-Night Average Sound Level (DNL) contours as defined in the F. A. R. Part 150 Noise Compatibility Study approved in September 2001 and prepared as part of the Phoenix Sky Harbor International Airport Noise Compatibility Program.

The defined boundaries are composed of the following three noise overlay zones:

Zone 1: 65-70 dB DNL noise exposure area.

Zone 2: > 70-75 dB DNL noise exposure area.

Zone 3: > 75 dB DNL noise exposure area.

**SECTION AK102
REQUIREMENTS**

AK102.1 General. All structures shall be sound mitigated so indoor noise levels shall not exceed a DNL of 45 decibels in any zone. If any portion of a parcel is in a zone, the structure on the parcel shall be sound mitigated. If a parcel is in two zones, the structure shall be sound mitigated to the requirements of the higher zone.

AK102.2 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 the 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 through the Phoenix Sky Harbor International Airport Community Noise Reduction Program. The recorded document shall be on a form approved by the City Attorney's Office.

AK102.3 Engineering 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 engineering 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.

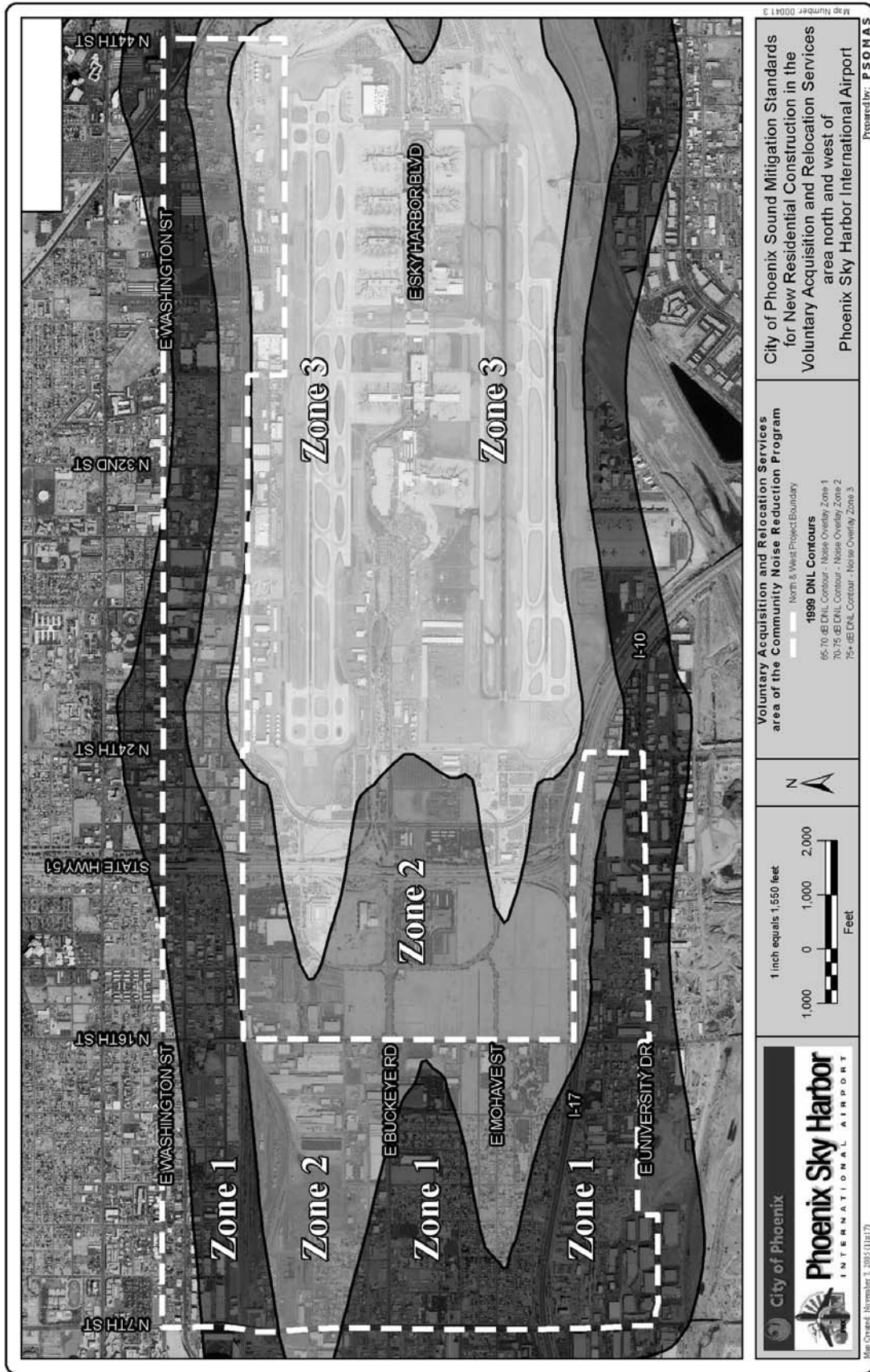


FIGURE AK101.1

