



KINGMAN FIRE DEPARTMENT

Building & Life Safety Division



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Residential Grading and Drainage Requirements

Kingman Municipal Code Sec. 5-8 Residential grading and drainage requirements.

(a) Lots or parcels developed for single-family or duplex residential use shall be graded or otherwise improved to drain to an approved point of discharge, such as the street gutter, drainage culvert, drainage channel, dry-well, retention basin or other approved method. All points of discharge other than the street gutter shall be designed according to the document entitled "Kingman Area Master Drainage Plan-Design and Administrative Manual," June 1988, as prepared by Boyle Engineering Corporation, and declared a public record in Resolution No. 1263. Any proposed drainage across private property boundaries shall be by a specific recorded easement and a permanently built, erosion proof, waterway that drains to an approved location.

(b) Applications for residential improvements that require a permit shall be accompanied with a site plan that details how the specific site for which the application pertains, shall meet the above requirements. The site plan shall be drawn to a maximum scale of 20':1", and show, as a minimum, the following, as applicable:

- (1) Existing grade contours, at one-foot vertical intervals, throughout and fifteen (15) feet beyond the parcel boundaries.
- (2) Elevation and location of point, or points, of drainage discharge.
- (3) Elevation of the finished floor (or pool water surface) for each structure.
- (4) Elevation and location of the septic tank, leach fields or other private on-site sewage system.
- (5) Finished grade contours for the entire parcel.
- (6) Location and height of permanent structures used to retain soil fill.
- (7) Finished floor elevation shall clearly identify fixed bench marks using the following:
 - a. Twelve (12) inches above the lowest adjacent top of curb elevation or;
 - b. The lowest drainage outfall OR;
 - c. Six (6) inches above the highest adjacent top of curb elevation or;
 - d. The adjacent roadway crown perpendicular to the property

(c) Ungraded portions of lots or parcels larger than three-fourths (3/4) acre and not in a subdivision are exempt from these requirements. For this policy, "ungraded" shall mean, undisturbed soil, rock and sand, complete with natural vegetation.

(d) Applications for residential building permits will not be accepted without such a site plan. Building permits will not be issued without an approved site plan that complies with this section. All other requirements for grading and drainage, soil compaction and building foundations shall be regulated by the adopted building code(s).

(Ord. No. 1457, § 1, 12-20-04; Ord. No. 1603, § 1, 12-17-07)