

### **11-6-129 Geologic Study**

The Planning Commission may require the inclusion of a geologic study as part of the site plan, subdivision, or building permit approval process. Each geologic study which may be required by any provision of Title 11 or 14 of this Code shall include the following documents and information:

- (1) A map showing the site location and regional setting of the subject property.
- (2) A geologic map which illustrates actual or potential landslides, fault zones, shallow water tables, expansive or collapsible soils, debris flows, flood areas, and any other pertinent natural or artificial features that might influence the stability of the subject property or adjacent property. Actual or probable surface and subsurface conditions shall be shown with those relations and conditions which are conjectural being clearly labeled as such. The proposed grading, filling, excavation or structure to be erected shall be shown in relation to the geologic features. All corrective or remedial action which is proposed shall be shown and clearly identified as such.
- (3) Maps shall use a scale of one inch equals 100 feet, with contour lines at five-foot intervals. Existing contours shall be shown by dashed lines and proposed contours shall be shown as solid lines. Boring logs, cross-sections, test trench logs, soil sample descriptions, and test results shall be included.
- (4) A description of the proposed grading, filling, excavation, or structure.
- (5) An analysis of the effects of the proposed grading, filling, excavation, or erection of a structure in relation to the conditions shown in the geologic maps.
- (6) With regard to a structure, an analysis of the manner in which the same, as constructed, will be made reasonably safe for human habitation.
- (7) A description of any corrective or remedial action necessary to comply with applicable provisions of this Title. All such actions shall be described and analyzed in detail.
- (8) A list, including title, author, and date, of all prior studies or reports which are relied upon to make the report.
- (9) A certificate in substantially the following form: "I hereby certify that I am a geotechnical engineer or an engineering geologist, as those terms are commonly used and accepted in the profession. I have examined the geologic report to which this certificate is attached and the information and conclusions contained therein are, without any reasonable reservation not stated therein, accurate and complete. All procedures and tests used in said report meet minimum applicable professional standards.", signature.