



# MASON COUNTY COMMUNITY SERVICES

Building, Planning, Environmental Health, Community Health

## Submittal Checklist Geological Assessment

### Instructions:

This checklist must be submitted with a Geological Assessment and completed, signed, and stamped by the licensed professional(s) who prepared the Geological Assessment for review by Mason County pursuant to the Mason County Resource Ordinance. If an item is found not applicable, the report should explain the basis for the conclusion.

**Note:** Unless specifically documented, this report does not provide compliance to the International Residential Code Sections R403.1.7 for foundations on or adjacent to slopes, Section R403.1.8 for expansive soils or section 1808.7.1 of the International Building Code Section for Foundations on or adjacent to slopes.

Applicant/Owner \_\_\_\_\_ Parcel # \_\_\_\_\_

Site Address \_\_\_\_\_

- (1) A discussion of geologic conditions in the general vicinity of the proposed development, with geologic unit designation based on referenced maps.  
Located on page(s) \_\_\_\_\_
- (2) (a) A discussion of the ground water conditions at the site,  
Located on page(s) \_\_\_\_\_  
(b) A discussion of the estimated depth to water,  
Located on page(s) \_\_\_\_\_  
(c) A discussion of the quantity of surface seepage,  
Located on page(s) \_\_\_\_\_  
(d) A discussion of the upslope geomorphology,  
Located on page(s) \_\_\_\_\_  
(e) A discussion of location of upland waterbodies and wetlands.  
Located on page(s) \_\_\_\_\_
- (3) The approximate depth to hard or dense competent soil, e.g. glacial till or outwash sand.  
Located on page(s) \_\_\_\_\_
- (4) A discussion of any geomorphic expression of past slope instability (presence of hummocky ground or ground cracks, terraced topography indicative of landslide block movement, bowed or arched trees indicating downslope movement, etc.).  
Located on page(s) \_\_\_\_\_
- (5) A discussion of the history of landslide activity in the vicinity, as available in the referenced maps and records.  
Located on page(s) \_\_\_\_\_
- (6) An opinion on whether the proposed development is within the landslide hazard area or its associated buffer or setback and the potential for landslide activity at the site in light of the proposed development.  
Located on page(s) \_\_\_\_\_
- (7) A recommendation by the preparer whether a Geotechnical Report should be required to further evaluate site conditions and the proposed development of the subject property.

Located on page(s) \_\_\_\_\_

(8) If the presence of a hazard is determined within 300 feet of the proposed development, then the following are delineated on a geologic map/ site map:

(a) the area of the proposed development,

Located on Map(s) \_\_\_\_\_

(b) the boundaries of the landslide hazard area (top, both sides, and toe),

Located on Map(s) \_\_\_\_\_

(c) the associated buffers (top, both sides, and toe),

Located on Map(s) \_\_\_\_\_

(d) building or other setbacks (top, both sides, and toe).

Located on Map(s) \_\_\_\_\_

(9) A site map drawn to scale showing the property boundaries, scale, north arrow, and the location and nature of existing and proposed development on the site.

Located on Map(s) \_\_\_\_\_

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I, \_\_\_\_\_ hereby certify under penalty of perjury that I am a civil engineer licensed in the State of Washington with specialized knowledge of geotechnical/geological engineering or a geologist or engineering geologist licensed in the State of Washington with special knowledge of the local conditions. I also certify that the Geological Assessment, dated \_\_\_\_\_ and entitled \_\_\_\_\_ meets all the requirements of the Mason County Resource Ordinance, Geologically Hazardous Areas Section, is complete and true, that the assessment demonstrates conclusively that the risks posed by the landslide hazard can be mitigated through the included geotechnical design recommendations, and that all hazards are mitigated in such a manner as to prevent harm to property and public health and safety.

(Signature and Stamp)