



CLARK COUNTY
WASHINGTON

COMMUNITY DEVELOPMENT
DEVELOPMENT ENGINEERING

Geologic Hazard Review (GEO)

Submittal Requirements

Rev 6.24.20

Working together. Securing your safety. Protecting your investment.

Submittal Checklist

The following checklist identifies information to be included. **All items** must be submitted before the submittal can be accepted. All submittals not determined to be complete will be returned to the applicant for corrections.

- Cover sheet / letter of transmittal
- Development Engineering application form
- Application fee
- Submittal requirement checklist
- Narrative

A written narrative shall be submitted that addresses the following: how the application meets or exceeds each of the applicable approval criteria, standards set forth in the Geological Hazard regulations; and, how the application meets or exceeds each of the applicable approval criteria, and standards set forth in the Geo-Technical Report.

- Proposed site plan

The proposed site plan shall be drawn to a minimum engineer's scale of 1" = 100' on a sheet no larger than 24" x 36". The proposed plan shall include the following information: (a) site boundary lines; (b) topography at contour intervals of no greater than five (5) feet; the location and size; (c) location and size of all existing and proposed site improvements including structures, wells, drain fields, drain fields reverse areas, public and private right-of-ways easements and utilities; (d) locations of all drainage-flows characteristics, streams, groundwater seeps, springs and evidence of seasonal surface water runoff or groundwater; location and extent of all existing and proposed grading activities and existing natural or artificial drainage control facilities and systems; (e) location and description of all geological hazard located on the site and observed on properties within one hundred (100) feet of site boundaries; (f) general location of all vegetation and general location, number and description of all trees over six (6) inch diameter measured three (3) feet above the ground; (h) and location of proposed buffers and setbacks.

- Geotechnical report

(a) Slope stability study and opinion on the subject property and adjacent properties; (b) grading plan; structural foundation requirement and estimated foundation settlement; (c) soil-compaction criteria; (d) allowable soil-bearing pressure for foundations, minimum footing width, piling recommendations for foundations and design pressure for retaining walls; (e) laboratory data and soil index properties for soil samples; (f) suitability for fill; lateral earth pressures; (h) description of erosion vulnerability and an erosion control plan as required in CCC Chapter 40.385; (i) an evaluation of proposed surface and subsurface drainage in a stormwater control plan as required in CCC Chapter 40.85; (j) building limitations; (k) and a vegetation management and restoration plan or other means for maintaining long-term stability of slope.

- Geology information

(a) Topographic contours at two (2) foot intervals or as specified by the Responsible Official; (b) subsurface data that includes the exploration method, location of soil borings, borings, soil and rock stratigraphy and groundwater levels including seasonal changes; (c) location of landslides, or down-slopes soil movement, faults, and geological contacts on the subject property and adjacent properties; (d) site history that describes any prior grading, soil inactivity or slope failure; (e) and description of the site vulnerability to seismic events.

- State environmental review

A State Environmental Policy Act (SEPA) Environmental Checklist must be completed, signed in ink, and submitted. Available at the Clark County Permit Center.

Optional electronic submittal: One (1) CD OR FTP site upload