

MARION COUNTY

GEOLOGICAL ASSESSMENT REQUIREMENTS

The geological assessment is intended as an overview of site conditions. Its purpose is to identify geologic hazards and considerations, and to provide an assessment of the suitability of the site for the proposed project. It is Marion County's policy to evaluate not only the development site and its effect on adjacent properties, but also adjacent properties that may affect the site. The report should include the items listed below in sufficient detail so that the County may determine whether a more thorough engineering geology report or geotechnical report may be needed to complete the evaluation of the suitability of the site for the proposed use.

The geologic assessment shall include the following:

I. General:

1. Name, address, and phone number.
2. Client for whom the report was prepared.
3. A description of the proposed project and its location.
4. Scope of services provided and limitations as appropriate.
5. A review of the geologic history and the history of prior excavations and fills.
6. A field reconnaissance of the site and vicinity.
7. A discussion of geologic hazards, if any.

II. Site Investigation:

1. A site map of the area at a scale of 1":400' or larger. Geologic conditions, topography, and location of proposed structures are to be shown, including property lines and adjacent properties' topography. A geologic profile showing any referenced subsurface conditions. A copy of published geologic maps shall also be provided.
2. Suitability of the site for proposed development from a geologic standpoint.
3. A description of the magnitude and extent of proposed grading or soil disturbance.
4. If deemed necessary, subsurface exploration shall be conducted or recommended to assess unclear geologic conditions.
5. A description of all field mapping and exploration procedures.
6. Additional information or analyses as necessary to evaluate the site.
7. A bibliography of all references used.

III. Geologic Processes:

1. A discussion of any unusual or extreme geologic processes at work on the site, for example: rapid erosion, active or inactive landsliding or other landslide hazard, flood hazard, rockfall, subsidence, or other features.

2. A list of any geologic hazards that may affect the proposed land use, including slope instability, debris flow, topography, erosion hazard, shallow groundwater, expansive soils, subsidence, fault rupture, or any other geologic hazard discovered by the investigation.
3. Identification and opinions regarding any areas of the site with significant constraints or that should be avoided for human-occupied structures.
4. The possible effects of the geologic conditions both on and off site on the proposed land use.
5. The possible effects of the proposed land use both on and off site on future geologic processes.
6. The effects of the geologic conditions and proposed land use on surrounding properties.

IV. Recommendations

1. Discuss possible mitigation measures to address any identified geologic hazards or issues.
2. Discuss recommended follow-up studies that should be accomplished, such as engineering geology reports, geotechnical reports, additional subsurface exploration or more extensive soil reports. Identify specific objectives for additional explorations.
3. Geologic feasibility of the site for the proposed development.

V. Certification

A signature, certification number, and stamp of a Registered Geologist who is certified in the specialty of Engineering Geology under the provisions of ORS 672.505 to 672.705.