

## **SEISMIC (EARTHQUAKE) HAZARD GEOTECHNICAL LETTER FORMAT**

**Include this heading on letter:**

### **LIQUEFACTION OR DYNAMIC SETTLEMENT HAZARD GEOTECHNICAL LETTER**

**Include this section identifying the parcel and date of the assessment.**

Geological Assessment prepared on *(date(s))* for Parcel number(s), // Located at *(Site Address)*

**Include a brief description of the project and site that can be compared with the submitted application.**

The site description must include the following:

- a) A brief description of the project
- b) A determination the no portion of the subject property (site) includes a liquefaction and/or dynamic settlement hazard.
- c) A map showing the property lines for the site, existing two-foot contours of the existing site topography, and the location of any existing structures, utilities, wells, storm water or septic systems, or other developments.
- d) A site plan delineating the limits of the proposed development and the location of all areas of the site subject to potential seismic hazards based on the critical areas atlas-seismic hazard areas map and, if applicable, limits of associated buffers.
- e) A description of the surface and subsurface geology, hydrology, soils, and vegetation of the site.
- f) A detailed overview of the field investigations, published data and references, data and conclusions from past geologic assessments or geotechnical investigations of the site, site specific measurements, tests, investigations, or studies, as well as the methods of data analysis and calculations that support the determination regarding whether liquefaction and/or dynamic settlement hazards are present on the site.

COMPANY LETTERHEAD

**The following paragraph must be completed and included exactly as follows:**

“The services described in this report were completed under the responsible charge of *(Individual’s Name)*. *(Individual’s name)* meets the qualifications contained in section 18E.90.030 to prepare this geological assessment. *(Individual’s Name)* understands the requirements of the current Seismic (Earthquake) Hazard Areas Chapter 18E.90 and the definitions of the applicable terms contained within Chapter 18.25 and Title 18E. Individuals under my responsible charge have conducted an investigation in general accordance 18E.90.060 – Appendix A. Geotechnical Letter – Liquefaction or Dynamic Settlement Hazard Areas. In my opinion, the scope of services completed for this project is adequate to meet the requirements of the Department and it does not appear that a liquefaction and/or dynamic settlement hazard area exists within the boundaries of the proposed site.”

**Include Company/Individual and Property Owners Contact info and registration stamp.**

(Company/Individual Contact Info Here)

(Property Owner(s) Contact Info Here)



Professional Engineer’s or  
Licensed Geologist’s Stamp