

The Kling Consulting Group staff has been providing municipal geotechnical and geologic review services since 1994 and currently furnishes these services to seven cities on a full time basis.

Our firm currently serves the cities of:

- LAGUNABEACH (since 1994)
- DANA POINT (since 1995)
- RANCHO PALOS VERDES (since 1998)
- PALOS VERDES ESTATES (since 2000)
- SEAL BEACH (since 2004)
- FOUNTAIN VALLEY ( since 2005)
- ROSEMEAD (since 2008)

In addition, our firm has provided frequent services to the Public Works Departments of Culver City, Fontana, Montclair, Palos Verdes Estates, Rancho Palos Verdes and Moreno Valley. As well as, acting city geologist/geotechnical engineer for the cities of Rancho Palos Verdes and Palos Verdes Estates.

Kling Consulting Group strives to assist the city in developing criteria to identify potential geotechnical hazards for applicants for land improvement projects might face. Our firm has developed a streamlined checklist format for 2nd and 3rd party review of geotechnical reports that has saved time and cost for both the city and applicants (partial example below).

• **Geologic Hazards:**

<u>Hazard</u>	<u>Discussion of Hazard</u>	<u>Mitigation Required</u>	<u>Recommendations for Mitigation</u>
Adverse geologic structure	Y/N/NA	Y/N/NA	Y/N/NA
Bluff retreat	Y/N/NA	Y/N/NA	Y/N/NA
Debris/mud flow	Y/N/NA	Y/N/NA	Y/N/NA
Differential settlement	Y/N/NA	Y/N/NA	Y/N/NA
Erosion	Y/N/NA	Y/N/NA	Y/N/NA
Expansive soils	Y/N/NA	Y/N/NA	Y/N/NA
Faulting	Y/N/NA	Y/N/NA	Y/N/NA
Fractured bedrock	Y/N/NA	Y/N/NA	Y/N/NA
Groundwater	Y/N/NA	Y/N/NA	Y/N/NA
Landslide	Y/N/NA	Y/N/NA	Y/N/NA
Liquefaction	Y/N/NA	Y/N/NA	Y/N/NA
Settlement/collapsible soils	Y/N/NA	Y/N/NA	Y/N/NA

• **Supporting Analysis/Data:**

Y/N/NA	Slope stability calculations
Y/N/NA	Shear strength values
Y/N/NA	Other laboratory data
Y/N/NA	Seismic coefficients/parameters
Y/N/NA	Boring/trench logs
Y/N/NA	Liquefaction study

• **Recommendations For:**

Y/N/NA	Foundations
Y/N/NA	Retaining walls
Y/N/NA	Foundation setbacks
Y/N/NA	Slabs
Y/N/NA	Flatwork
Y/N/NA	Grading

• **Geologic Map/Cross-Sections:**

Y/N	Accurate topographic base extending sufficiently offsite	Y/N	Proposed topography
Y/N	Surficial drainage	Y/N	Slope gradients
Y/N	Existing structures	Y/N	Proposed structures
Y/N	Boring/trenches plotted	Y/N	Legend, scale, north arrow
Y/N	Geologic contacts/data illustrated	Y/N	Location of cross-section(s) shown

Kling Consulting Group has a proven track record in providing quality geotechnical services in a cost-effective manner for many years. We would be honored to assist you as well.

