



Community Development Department

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Geologic Report Requirements.

Require geologic reports according to the Geologic Hazards Land Use Matrix as follows:

R1 Report Requirements:

1. A preliminary engineering geologic report and a preliminary soils engineering report shall be prepared for the classes of development and hazard areas indicated by "R1" in the Geologic Hazards Land Use Matrix.
2. The preliminary engineering geologic report shall be prepared by a certified engineering geologist and shall provide a geological reconnaissance and evaluation of the project site and surrounding terrain. The preliminary report shall identify areas or issues which either do or do not require further engineering geologic and/or soils engineering evaluation.
3. The preliminary soil engineering report shall describe the nature of the subsurface soils and any soil conditions which would affect the design and/or layout of the proposed development. The report shall include the locations and logs of any test borings and percolation test results if on-site sewage disposal is proposed. The report shall recommend areas or issues of concern which require additional engineering or geologic evaluation.
4. The additional information that is recommended by the preliminary reports shall be provided or the proposed development shall be modified to avoid the identified areas of potential instability. The proposed development shall be sited and designed in accordance with the recommendations of the reports in order to minimize risk to life and property on the project site and for any other affected properties.

R2 Report Requirements

1. A preliminary engineering geologic report and a preliminary soils engineering report shall be prepared for the classes of development and hazard areas indicated by "R2" in the Geologic Hazards Land Use Matrix. These reports shall be prepared by either a registered geologist or a registered civil engineer experienced and knowledgeable in the practice of soil engineering. These reports shall provide a geologic reconnaissance and evaluation of the project site and surrounding terrain.
2. A soils engineering analysis may meet the preliminary geologic report requirement for developments where the primary concerns are soils mechanics and appropriate structural

design. In such cases it is incumbent upon the engineer to consult a registered geologist should it become apparent that an adequate structural solution requires additional geologic input. If, after preliminary investigation of the project site and the surrounding terrain, no geological consultation is felt by the engineer to be required, the engineer shall certify that such an evaluation is not required. It is incumbent upon the geologist to recommend that a soils engineer be consulted when it becomes apparent that soils mechanics analyses are needed.

3. The applicant shall either provide additional information as recommended by the preliminary geologic or soils report or modify the application to avoid identified areas of potential instability. The proposed development shall be sited and designed in accordance with the recommendations of the report(s) in order to minimize risk to life and property on the project site and for any other affected properties.

C. The above required geologic reports, "R1" and "R2", shall be prepared in accordance with the California Division of Mines and Geology (CDMG) Note #44, "Recommended Guidelines for Preparing Engineering Geologic Reports", or the current equivalent standard. CDMG Notes #37, 43, and 49 (or the current equivalent standard) shall be utilized as applicable when seismic or fault rupture hazards are identified as concerns.

D. At the discretion of the City, the report requirement may be waived when an adequate geologic assessment at a suitable scale already exists for the site proposed for development.

E. The criteria for determining whether or not a report is required when it is discretionary include the following; however, where evaluation of items 1-5 is inconclusive, a statement is required by a registered engineer that a geologic report is not required for the safety of the project.

- 1) the site inspection of the building inspector;
- 2) geologic maps and reports covering the area;
- 3) the potential for the development to affect adjacent property or improvements;
- 4) the degree to which public exposure to risk may be a factor;
- 5) the size and scale of the proposed development;

F. Waivers of the R1 report requirements as indicated in the Land Use Geologic Hazards Matrix may be provided for by ordinance where consistent with protection of the public health, safety, and welfare and with the County's certified coastal plans.

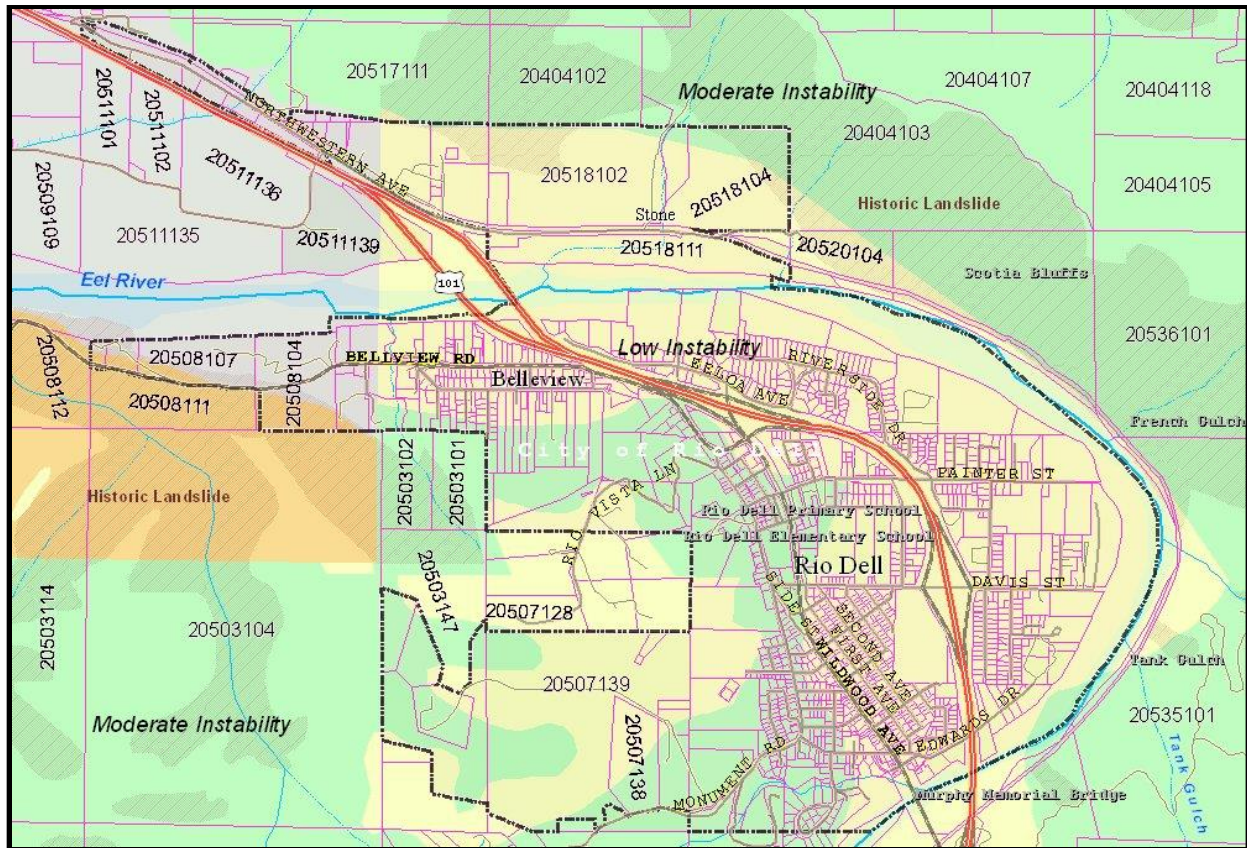


Figure 6-1 Slope Stability and Historic landslides

Source: Humboldt County GIS August 2022

Geologic Hazard Land Use Matrix

Building Type Land Use	Slope Stability			
	0 – Relatively Stable	1 – Low Instability	2 – Moderate Instability	3 – High Instability
Hospitals, Police & Fire Stations, Schools, Theaters, Auditoriums, Motels, Hotels, Multifamily > 3 Stories, Hazardous Chemical Storage	R1			
Major Subdivisions, Heavy Industrial	R2	R2	R1	R1
Multifamily Structures Greater Than 4-Plexes	D	D	R2	R1
Minor Subdivisions	D	D	R2	R1
Light Industrial, Warehousing, Commercial	D	D	D	R2
Residential Wood Frame 3 Stories	D	D	R2	R2
Residential Wood Frame Structures 2 Stories or less	D	D	R2	R2