



GUIDELINES FOR PREPARATION OF GEOTECHNICAL REPORTS FOR ENTITLEMENT/PLANNING LEVEL APPROVAL

In general, geologic and geotechnical reports should be prepared and presented in accordance with CGS/State standards, *City of Chino Hills Community Development Department Guidelines for Preparation of Geotechnical Reports for Land Development*, City Code, the 2019 California Building Code, and the current standard of practice.

In addition, the following items must be addressed in the geologic and/or geotechnical reports:

1. Site history and background review, including list of previous grading, development, and geotechnical reports;
2. Description of proposed development (as detailed as possible), including planned slopes, cuts and fills, location of planned structures, and whether off-site grading will be required;
3. Description of planned on-site sewage system (if applicable), including percolation testing procedures and results;
4. Evaluation of any geologic or geotechnical issue that adversely affects the feasibility of the project, including:
 - a) Landslides or other mass movements, including lateral extent, depth, basal structure, and impact to planned development and/or adjacent properties; subsurface exploration including downhole logging, if possible, strongly recommended;
 - b) Active faults, per Alquist-Priolo guidelines;
 - c) Seismic Hazards, per CDMG Special Publication 117, including liquefaction in areas designated moderately to highly susceptible by the *City of Chino Hills General Plan*;
 - d) Subsurface structure, including adversely oriented bedrock;
 - e) Slope stability, including gross and surficial of critical proposed and remaining natural slopes, and temporary stability of critical construction slopes, in particular slopes that impact adjacent properties; quantitative analyses required for all potentially unstable conditions; justification of shear strength parameters and supporting laboratory testing required;
5. Discussion of remediation measures for critical geologic or geotechnical issues, including corrective grading, stabilization measures, or grading alternatives.

Reports must be less than one year old, or accompanied by an updated letter verifying site conditions, findings, conclusions, and recommendations within report. In addition, reports must include statement verifying planned development is feasible and will not adversely impact adjacent properties.

Projects located in hillside areas or where landslides, faulting, or bedrock units are present or will be exposed during development must be signed by a State of California Certified Engineering Geologist. All reports must be signed by a State of California licensed Geotechnical Engineer.