

Applicant Name: _____

Inspector: _____

Application No.: _____

Date: _____

COUNTY OF HUMBOLDT

Community Development Services ♦ Building Division Soils Engineering/Engineering Geology Report Checklist

All the information requested is from Chapter 18 of the 2007 CBC. Data is referenced against the USGS *Seismic Hazard Curves and Uniform Hazard Response Spectra*.

Note: Report shall include original/wet signature of person preparing such report

REPORT INFORMATION:

YES NO (YES = information included; NO = additional information required or information incorrect)

- Assessor's parcel number.
- Latitude and Longitude of proposed building site.
Note: Show Lat/Lon as DDMMSS or DDMM.00 or DD.0000
- Seismic design category, site class, acceleration spectral response for short and long periods.
- Plot plan showing the location of all test boring and/or excavation; if part of a subdivision report to include map showing proposed parcel layout.
- Adequacy for the intended use of site.
- Description and classification of soil and complete record of soil samples.
YES NO A record of soil profile.
- Elevation of the water table, if encountered.
- Expected total and differential settlement.
- If applicable specifications, installation and testing method for compacted fill. CBC Sec. 1803.5
- Evaluation of and mitigation for any slope instability and surface rupture due to faulting or lateral spreading resulting from earthquake motions. CBC Sec. 1802.2.6
- Setback recommendations from ascending and descending slopes.
- Foundation type and design criteria, including soil bearing capacity, provisions to minimize the effects of expansive soils and the effects of adjacent loads.
- If applicable provide a determination of lateral pressures on basement and retaining walls due to earthquake motions. CBC Sec. 1802.2.7 (1.)
- If in a mapped area of potential liquefaction provide:
 - 1) Evaluation of liquefaction hazard.
 - 2) Evaluation of potential ground displacement.
 - 3) Mitigate the hazard.
 CBC Sec. 1802.2.7 (2.)
- Additional notes on reverse side.

Review Completed _____