



DSA Structural Amendments under review are highlighted in GRAY

Template 18-01

2001 CBC - Chapter 18A

FOUNDATIONS AND RETAINING WALLS

Section - 1804A - FOUNDATION INVESTIGATIONS

Subsection(s) - 1804A.1 - 1804A.2

1 **1804A.1 General.** *Soil investigation reports which include*
2 *foundation or pile capacity recommendations, recommendations*
3 *regarding installation, and, in the case of engineered fills, direc-*
4 *tions as to materials and construction procedures shall be pre-*
5 *pared by a geotechnical engineer qualified to undertake*
6 *investigations for foundation and earthwork design. Investiga-*
7 *tions involving test borings, exploration shafts or load tests shall*
8 *be made under the engineering control of such a geotechnical en-*
9 *gineer.*

10
11 *Site investigations and reports pertaining to geologic hazards*
12 *shall be made where required by Sections 17212 and 17212.5 of*
13 *the Education Code for public school buildings, Sections 15044*
14 *and 15045 of the Health and Safety Code for hospital buildings,*
15 *and Section 16014 of the Health and Safety Code for essential ser-*
16 *vices buildings. See also Section 1629A.3.*

17
18 **1804A.2 Investigation.** *Whenever it is necessary to make spe-*
19 *cial investigations, sufficient borings or exploration shafts shall*
20 *be made as deemed necessary by the geotechnical engineer to*
21 *evaluate the character of the soil under the entire building or*
22 *structure, except that there shall not be less than one boring or ex-*
23 *ploration shaft for each 5,000 square feet (465 m²) of building*
24 *area at the foundation level with a minimum of two provided for*
25 *any one building. The possibility of liquefaction under seismic dis-*
26 *turbance shall be considered in the investigation. If there is a po-*
27 *tential for liquefaction, the geotechnical engineer shall report the*
28 *estimated amount of displacement.*

29
30 *Borings shall be of sufficient size to permit visual examination*
31 *of the soil in place or, in lieu thereof, cores shall be taken.*