



DSA Structural Amendments under review are highlighted in GRAY

Template 18-02

2001 CBC - Chapter 18A

FOUNDATIONS AND RETAINING WALLS

Section - 1804A - FOUNDATION INVESTIGATIONS

Subsection(s) - 1804A.3

1 **1804A.3 Reports.** The soil classification and design-bearing  
2 capacity *of the soil* shall be shown on the plans \* \* \* . The *en-*  
3 *forcement agency* may require submission of a written report of  
4 the investigation, which shall include, but need not be limited to,  
5 the following information:

6  
7 1. A plot showing the location of all test borings and/or excava-  
8 tions.

9  
10 2. *Logs of all explorations, including* descriptions and classifi-  
11 cations of the materials encountered.

12  
13 3. Elevation of the water table, if encountered.

14  
15 4. Recommendations for foundation type and design criteria,  
16 including bearing capacity, provisions to mitigate the effects of  
17 expansive soils, provisions to mitigate the effects of liquefaction  
18 and soil strength, the effects of adjacent loads, *and additional*  
19 *earth pressure caused by seismic ground shaking where required*  
20 *by Section 1611.A.6.*

21  
22 5. *Expected total and differential settlement.*

23  
24 6. *The report shall consider the effects of stepped footings*  
25 *addressed in Section 1806A.4.*

26  
27 7. *The geotechnical engineer shall assess the potential for liq-*  
28 *uefaction during the geotechnical investigation for the project.*  
29 *Any significant liquefaction hazard shall be considered in arriv-*  
30 *ing at an appropriate foundation system and design parameters*  
31 *and in evaluating foundation performance. The geotechnical re-*  
32 *port should include estimated amounts of foundation settlement*

33 *and differential settlement and recommended means for mitigat-*  
34 *ing settlements associated with potential liquefaction.*

35

36 *8. In areas subject to high sulphate soils, an evaluation of the*  
37 *impact on the durability of concrete foundations shall be consid-*  
38 *ered.*

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