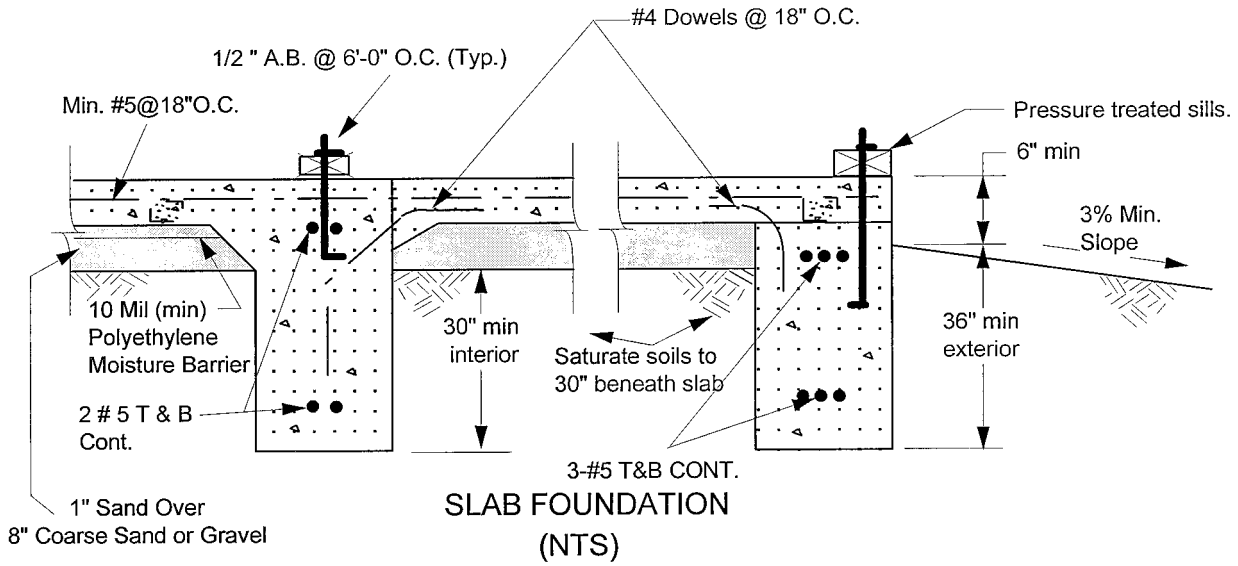
CITY OF Palos Verdes Estates

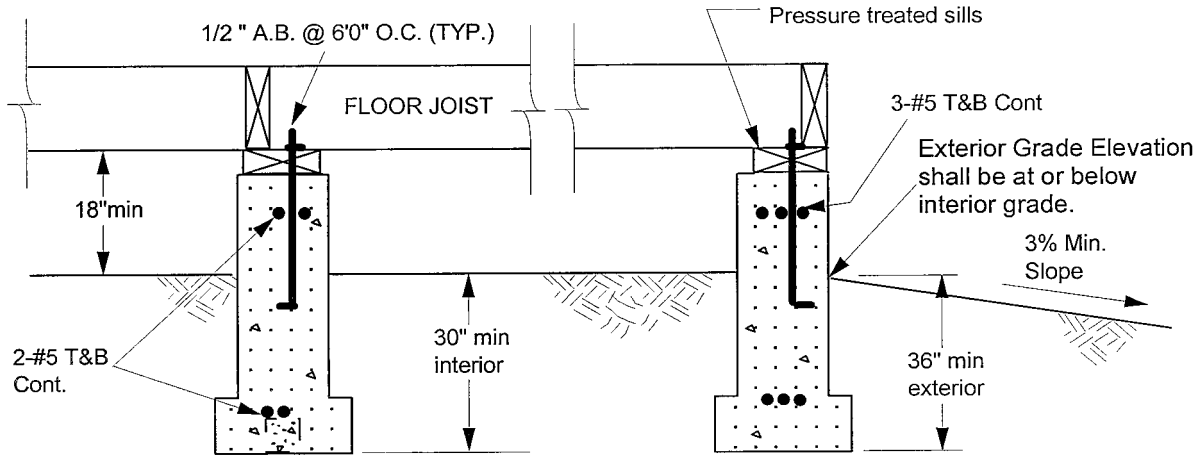
Alternative Foundations in Expansive Soil

Notes:

1. This is an alternative design. Its use is site specific and only when required by the city geologist.
2. This handout does not replace the CA *Building Code* ™ (C.B.C.) as adopted. It reflects only the methods of construction that are most commonly used in this area. More detailed information on foundations may be obtained from Chapter 29 of the C.B.C.. The C.B.C. may be reviewed in many libraries or at your Building and Safety Department.
3. Projects where foundations are supported by artificial fill require a soil engineer.
4. Sleeve all pipes that penetrate concrete. Do not embed pipes in concrete without prior approval of the Building Official.
5. Deepen footings as necessary to gain adequate setback from descending slopes.
6. Ground under raised floor may be excavated to the elevation of the top of the footings to gain access and clearance.
7. Lap reinforcing bars min. 20". Min. bend diameter for #4 bar is 3". Dowel new footings to old.



SLAB FOUNDATION
(NTS)



RAISED FLOOR
(NTS)