

*Geotechnical Engineering Principles and Practices, 2<sup>nd</sup> Edition*

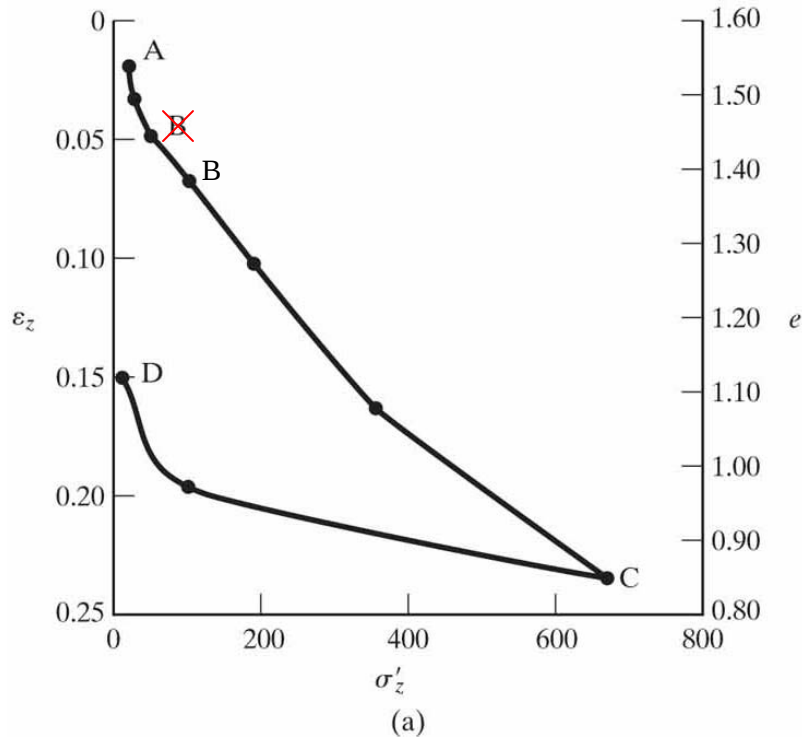
Errata for printings 1-3

Revision 03: Sep 26, 2011

1. P.2, line 2: "excavate" should be "excavated"
2. P. 119 Figure 3.41: at bottom left replace "Scale: 1in. = 5ft" with "Scale: 1in. = 50ft"
3. P.158-159: Replace problems 4.1 and 4.5 with the following problems
  - 4.1 A cube of soil measures 1.5 ft on each side and weighs 375 lb. Its moisture content is 26.0% and the specific gravity of solids is 2.72. Compute the void ratio, porosity, degree of saturation, unit weight and dry unit weight of this soil.
  - 4.5 The moisture content of a saturate soil is 36.0%. Assuming the specific gravity of soils is 2.68, compute the void ratio, porosity and unit weight (lb/ft<sup>3</sup> and kN/m<sup>3</sup>) of this soil.
4. P.223: Table 6.3, change recommendation relative compaction for earth dams to 95%. First paragraph, delete sentence "This is especially likely on earth dams, where high levels of compaction are required."
5. P.285: Last line of page replace " $k_x$ " with " $k_z$ "
6. P.294 Table in problem 7.33: Heading of third column should read "Sand" and heading of fourth column should read "Silty Sand"
7. P.296 Figure 8.1: equation on right hand side of figure should read
$$v_x + \frac{\partial v_x}{\partial x} dx$$
8. P.299 first line: Replace "Equation 8.12" with "Equation 8.13"
9. P.300 fist line: Replace "Equation 8.16" with "Equation 8.17"
10. P.318, last paragraph: first sentence should read "It is possible to create a physical model that illustrates the flow lines in a flow net by injecting dye into the model, as shown in Figure 8.13."
11. P.329 fourth paragraph, second line: replace "Power (1992)" with "Powers (1992)".
12. P.345 third paragraph last line: change "4 times  $D_{15}$ " to "4 times  $d_{15}$ "
13. P.346 fourth sub-paragraph, first line: change " $D \leq 0.50 \text{ mm}$ " to " $D_{15} \leq 0.50 \text{ mm}$ "
14. P.347: line 2: change "parallel to the draing material" to " parallel to that for the drain material"
15. P.355 Problem 8.15: in first line change "original from" to "original depth from" at end of problem after question mark add "Assume  $r_w = 0.06 \text{ m.}$ "
16. P.381 Equation 9.27 should read

$$\Delta_{yx} = -\Delta_{xy} = \frac{P}{2\pi} \left[ \frac{3x_f y_f z_f}{R^5} - (1-2\nu) \left( \frac{(2R+2)x_f y_f}{(R+z_f)^2 R^3} \right) \right]$$

17. P.389 Figure 9.16: change “m = xx” to “m = ∞” in two locations on figure.
18. P.418, first line: change “modulii of elasticity in the soil and the culvert” to “the modulus of elasticity of the soil to that of the culvert”
19. P.435 Figure 10.10 (a): move point B to location shown below



20. P.450, Equation 10.25: Equation should read

$$\delta_{c,ult} = \sum \left[ \frac{C_r}{1+e_0} H \log \left( \frac{\sigma'_c}{\sigma'_{z0}} \right) + \frac{C_c}{1+e_0} H \log \left( \frac{\sigma'_{zf}}{\sigma'_c} \right) \right]$$

21. P.590, problem 12.35: “22 lb/ft<sup>2</sup>” should be “22 lb/in<sup>2</sup>”
22. P.632, last paragraph: “magnitude 6.2” should be “magnitude 6.6”