

ENCE 4340 Foundation Engineering Fall 2011 Homework # 2 (due: 9-26-2011)

Problem 1: Refer to Figure P5.5. Determine the average stress increase in the clay layer below the center of the foundation due to the net foundation load of 900 kN. Use the 2:1 Method.

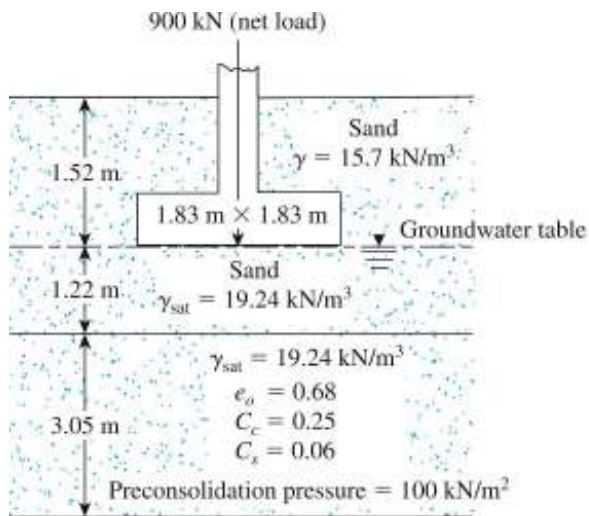


Figure P5.5

ENCE 4340 Foundation Engineering Fall 2011 Homework # 2 (due: 9-26-2011)

Problem 2: Figure P5.7 shows an embankment load on a silty clay soil layer. Determine the stress increase at points A, B, and C, which are located at a depth of 5 feet below the ground surface.

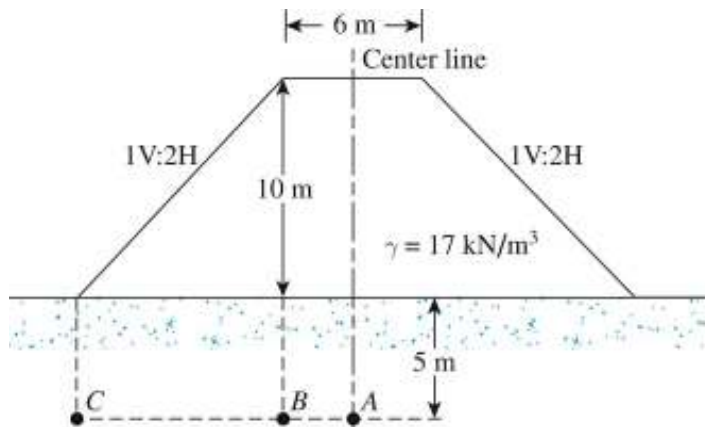


Figure P5.7