Homework assignment #7
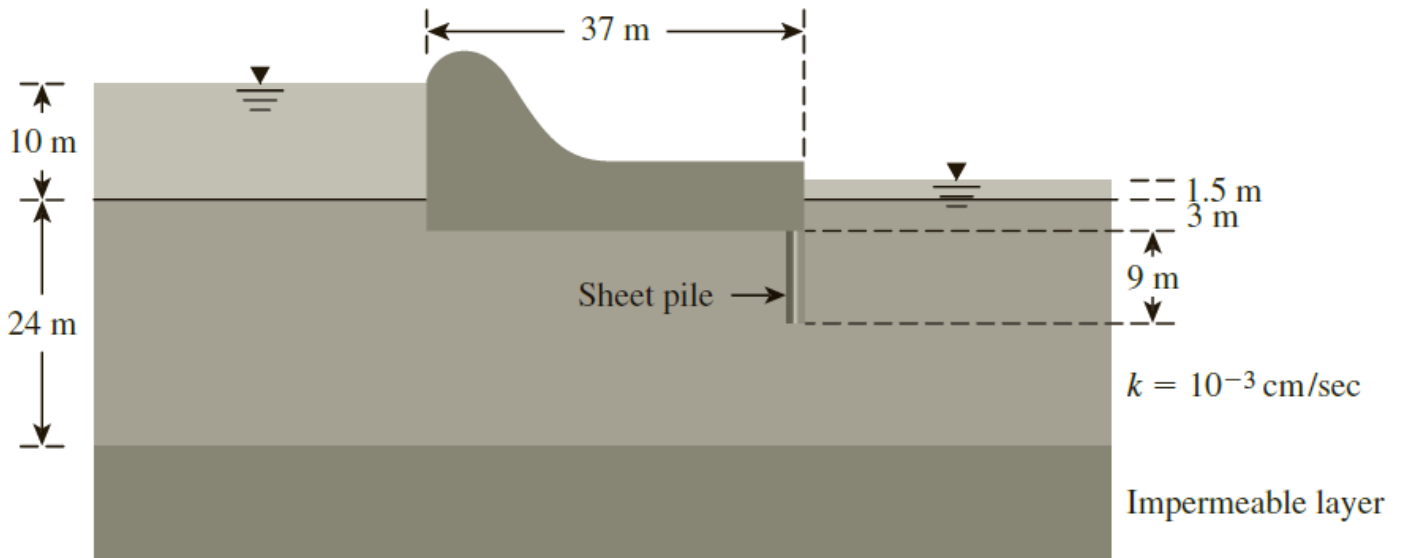**Due on Thursday Dec. 10th , 2020**

Problem 1:

The weir shown below is 50 m long

- Draw a flow net for the flow under the weir
- Calculate the rate of seepage for the entire weir.
- Calculate the total uplift force acting on the weir base.
- Calculate the exit hydraulic gradient near the toe of the weir

Problem 2:

Refer to the cross section of the earth dam shown below. Calculate the rate of seepage through the dam (q in m^3/min/m) using Schaffernak's and Casagrande's solutions.