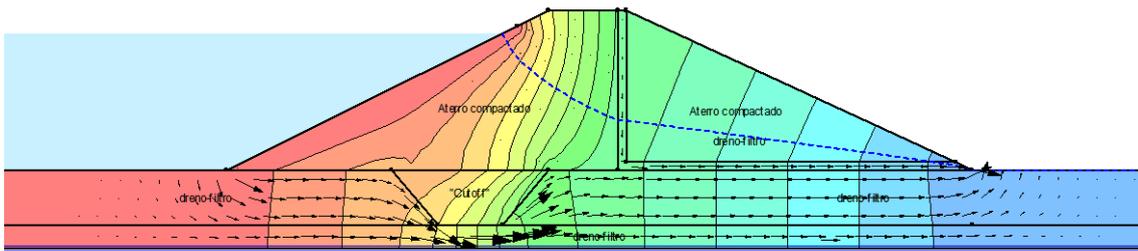
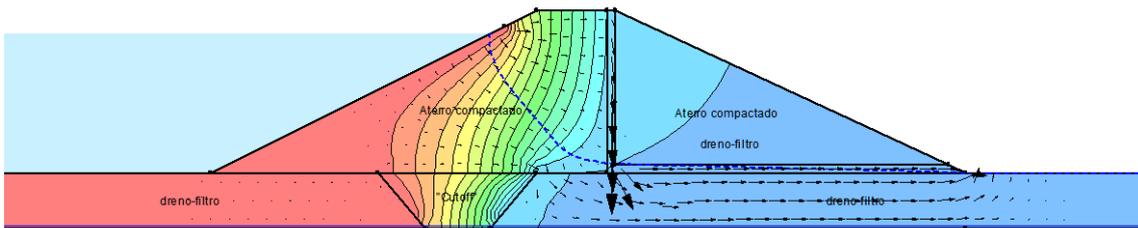


Sem aluvião muito permeável na fundação. Pergunta: para quê o “cutoff” então?

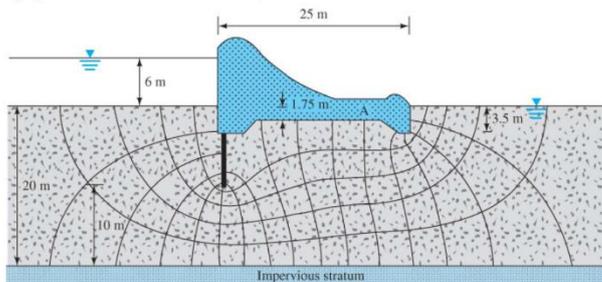


Com aluvião na fundação. “cutoff” de penetração parcial já sendo solicitado (vide equipotenciais mais próximas nele).



Com aluvião na fundação. “cutoff” de penetração total. Observar perda de carga ainda maior nele e fluxo pela fundação ainda menor do que no caso de penetração parcial.

The flow net for an earth dam is shown as below. The upstream water level above the ground surface is 6 m. A sheet pile is installed at the upstream side of the dam to minimize the quantity of seepage as well as to minimize seepage forces below the dam. A 20 m thick layer of sand with a hydraulic conductivity of 0.0045 m/min is located below the dam. A relatively impervious stratum is located below the sand layer. The flow net consists of all square elements. Calculate the total seepage loss below the dam in m^3/min per meter length (perpendicular to the cross-section shown) of the dam.



Fluxo confinado para comparação.