$\ensuremath{\operatorname{Class}}\xspace 3-\ensuremath{\operatorname{Orifices}}\xspace,$  spillways, and detention basins.

Reading: HEC-22 pages 8-20 to 8-36.

- a. Weir and orifice equations.
- b. Homework design a detention basin with low flow outlet and emergency spillway. Mind freeboard.