

## Bear Creek Community Charter School at Ten Mile Run

### Living Pond

Included on the new 96 acre campus will be a living pond, capable of sustaining aquatic life, which will be used to support our hands-on environmental programming. The pond surface is 1.39 acres. Overall depth is 11 feet. Normal water depth is 7.5 feet. There is a five foot safety ledge 1.5 feet below the water surface level (6 feet). The pond will be enclosed with a wooden split-rail fence with wire mesh and lockable gates.

The pond is fed by storm water collected on site and is equipped with two underground pipes, one to provide water for the soccer field irrigation system and the second to serve as a dry hydrant for the Bear Creek Township Volunteer Hose Company. The pond has the capability of holding 1,379,654 gallons of water and is being designed to sustain aquatic life. Once the school opens we will focus on water quality and habitat restoration, prior to stocking the pond with fish and amphibians. Excess water is gradually released from the pond through concrete structure located at the far end of the pond into a secondary storm water retention pond and then eventually into Ten Mile Run.

