

Water Quality Treatment

What is a water quality pond?

Water quality ponds are shallow depressions designed to filter pollutants from stormwater runoff before the runoff enters adjacent waterways.

Do the ponds contain water all the time?

No. The ponds are designed to be dry most of the time. Stormwater runoff is temporarily stored in the pond and drawn down over a period of time (minimum drain time is 40 hours) through an outlet structure or spillway.

Why are the ponds needed?

The Clean Water Act requires CDOT to treat stormwater runoff from state highway facilities to protect water quality in our waterways. Ponds provide efficient pollutant removal for a large range of suspended solids and heavy metals.

Local examples of water quality ponds

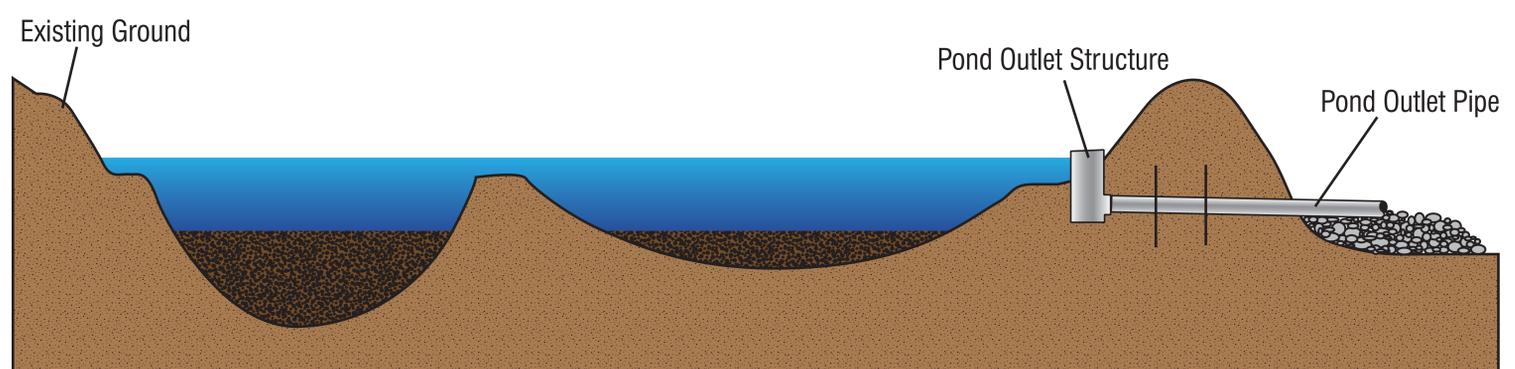


Water quality pond, Lakewood City Commons at Alameda Blvd. and Wadsworth Blvd.



Water quality pond, Creekside development at Colfax Ave. and Wadsworth Blvd.

Example Water Quality Pond Design



Liebl, D., Stormwater Detention Ponds Site Safety & Design, 2006

US 6/Wadsworth



Environmental Assessment

