



Photo Credit: USEPA

Why is the Town concerned with stormwater ponds?

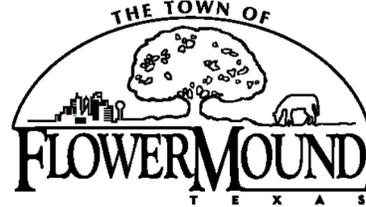
The Town of Flower Mound is required under the Federal Clean Water Act to comply with the provisions of the National Pollutant Discharge Elimination Systems Permit. One of the requirements of the permit is for the Town to inspect all stormwater ponds and water quality devices at least once every three years.

Pollution Prevention

It is the responsibility of everyone to help keep our waterways clean. Making small changes in the way you live can make BIG changes in the quality of water we all use for drinking, fishing, and recreation.

Some Simple Things You can Do:

- ◆ Keep yard waste out of streets, storm drains, ponds, and streams
- ◆ Prevent oil and other chemicals from reaching storm drains
- ◆ Recycle used oils and repair oil leaks
- ◆ Apply fertilizers/pesticides per the label, do not overuse or apply to paved areas
- ◆ Bag and properly discard pet waste
- ◆ Wash cars at a commercial car wash or on grassy areas
- ◆ Do not litter



Questions?

Town of Flower Mound
Environmental Services Department

2121 Cross Timbers Road
Flower Mound, TX 75028
972.874.6354



Photo Credit: USGS



Photo Credit: USEPA

Stormwater Ponds

*What you
need to know*

What is a Stormwater Pond?

Stormwater ponds are large, permanent stormwater structures that are designed to help hold stormwater runoff while filtering out sediments and contaminants in the water before discharging it into a natural water body or stream.

Stormwater ponds can be classified into detention and retention ponds. These classifications describe the type of storage the pond provides.

A **detention pond**, or dry pond, is a permanent stormwater management facility for the temporary storage of runoff and is designed to hold water for a short period of time after a rainfall, and then go dry.

A **retention pond**, or wet pond, is designed as a stormwater facility that provides for permanent storage of runoff which is only released through percolation, evaporation, transpiration or through an emergency overflow.

No matter which type of pond may be on your lot, they both require maintenance, the key for pond longevity and functionality.



Figure 1: A well-maintained Detention Pond



Figure 2: A Well-Maintained Retention Pond

Why are Stormwater Ponds

Important?

Stormwater ponds reduce the volume and rate at which stormwater rushes into the storm sewers and rivers during a storm. This helps prevent localized flooding and downstream impacts. They also keep pollutants and sediment out of our local rivers by allowing them to settle at the bottom of the pond.

A well-maintained pond adds aesthetic value to property.

Be Proud of Your Pond!

Who is Responsible for Your Pond?

In the majority of cases, the commercial property owner or the homeowners association is responsible for the correct operation and proper maintenance of the pond.

Pond Inspection and Maintenance

The property owner should routinely inspect and maintain dry or wet stormwater ponds that service the property. Maintenance and repair costs can range from several hundreds to tens of thousands of dollars. Regular maintenance can prevent serious problems that can be very costly to fix. To verify that your ponds are performing properly, inspect them regularly.

In general, ponds should be inspected after large storm events and at least once a month to determine if any maintenance is needed.

Maintaining the Pond:

- ◆ Conduct regular inspections
- ◆ Conduct routine mowing
- ◆ Remove trash, paper, plastics, and other debris regularly
- ◆ Prevent standing water in detention ponds to avoid mosquito breeding and stagnant condition
- ◆ Keep embankments and slopes stable with low-growing vegetation
- ◆ Fill animal burrows
- ◆ Remove sediment from pond when necessary
- ◆ Inspect, clean, and repair all mechanical components
- ◆ Keep risers, spillways, and outlets clear
- ◆ If the basin storage volume is reduced by more than 10 percent, remove sediment and return the main basin to original lines and grades