

# Clark County's CLEAN WATER PROGRAM



Polluted storm runoff needs to be treated to remove pollutants and “held back” to reduce flooding and erosion.



## THE CLEAN WATER SYSTEM

### Managing and treating polluted storm runoff

Stormwater management in Clark County encompasses a complex drainage and treatment system built on a piecemeal basis over the past 100 years.

The system serves 44,000 acres in urban growth areas outside city limits.

It includes rural roadside ditches and outfalls, along with more than 800 private treatment facilities in housing developments and commercial areas.

County owned and operated treatment facilities alone include:

- 739 bioswales that slow and filter stormwater runoff as it flows through them.
- 450 detention/retention ponds that hold stormwater runoff back so peak flows don't cause streambed erosion.
- 187 vaults, manholes and catch basins that use man-made filters to remove pollutants from stormwater runoff.
- 373 miles of pipes that move stormwater runoff to and from treatment facilities and into streams, rivers, lakes, and wetlands.
- 10,505 catch basins that collect water, and separate litter and debris from stormwater runoff.
- 1,580 drywells that hold runoff and allow it to soak into the ground.
- 1,100 lane miles of streets and roads which are swept on a regular basis to reduce the amount of dirt and other pollutants carried into waterways.

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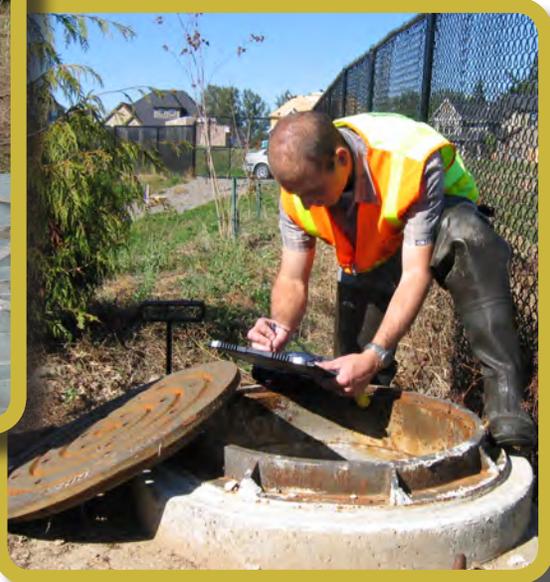
**A healthy community needs clean water.**

## County maintenance activities

Crews clean and repair hundreds of facilities, dry wells and catch basins as well as maintain miles of pipes and ditches each year. Keeping this system maintained is expensive, but it is a necessary part of complying with state and federal law and promoting a healthy community that values clean water.



- ▲ Storm drains must be cleaned regularly of sediment and debris.
- ▲ Cartridge filters in some systems must be changed regularly.
- ▼ Stormwater facilities must be inspected to ensure they are functioning properly.



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