

Why Storm Drainage & Water Quality Matter?

Storm Drainage Improvements

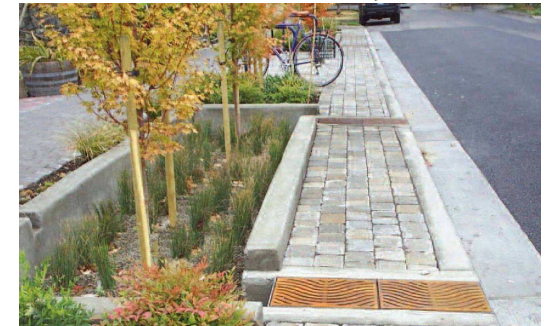
- Curb & gutter **concentrates & redirects** storm water flows
- Change in flow patterns **triggers storm drainage improvements**
- Storm drainage improvements **provide for the safe passage of vehicles** during significant storms.

Water Quality

- Water quality treatment is required by **Federal Law** for projects larger than 1 acre
- **Water pollution degrades surface water** making the water unsafe for drinking, fishing, swimming, and other activities
- Most of North College drains to the **Poudre River**



Storm Sewer with Water Quality Pond



Bioswale

Why Storm Sewer System over Bioswales?

Upon further evaluation:

- Storm water **flows cannot be fully controlled within the street and bioswales** and an underground system is also required.
- A **storm sewer system** with inlets and pipes collects the flows and directs them to a **water quality pond** for treatment.
- The additional **cost** of implementing bioswales with water quality ponds **outweighs the benefit**.