## **ART**

# GRAVITY

and a SHOWER







### Public Art:

- Adds value to a project
- •Connects people to a place and each other.
- Makes something beautiful from nothing







100 Days of Summer – City Park Pool







Hidden Habitats – Nix Farm



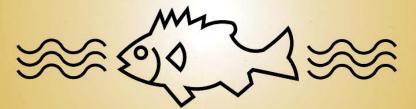
Prairie Bouquet -Nix Farm





# "Water Washes the Earth" Joe McGrane

**NO DUMPING** 



DRAINS TO RIVER

City of Fort Collins Art in Public Places 2005





Light and Power



Sanitary Sewer







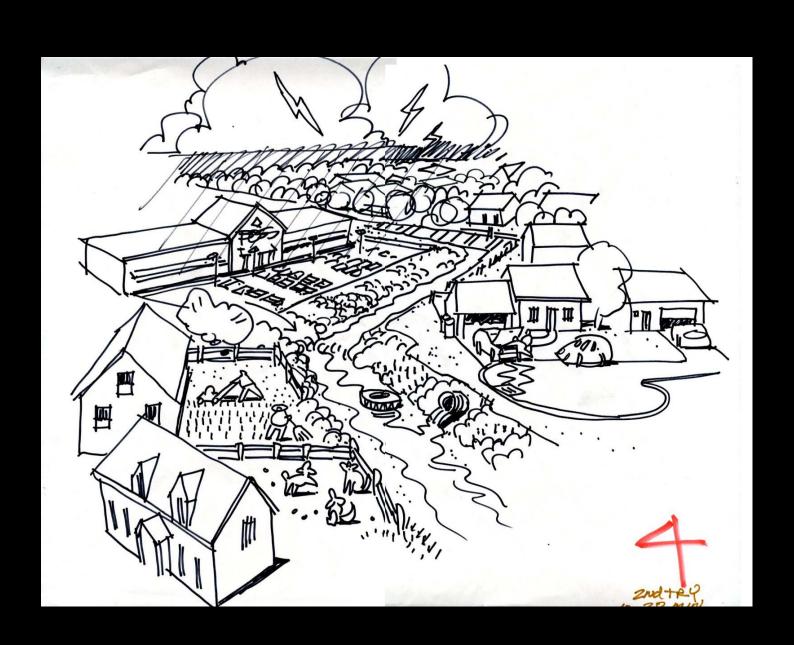
**Water Supply** 







Storm Water Management and Water Quality

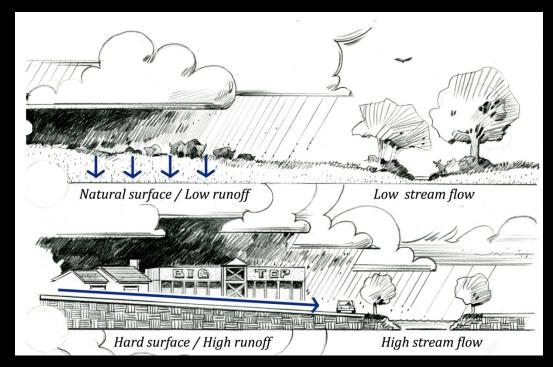


## THE ISSUE:

Development often increases the amount of impervious surface.

This means that when it rains there is:

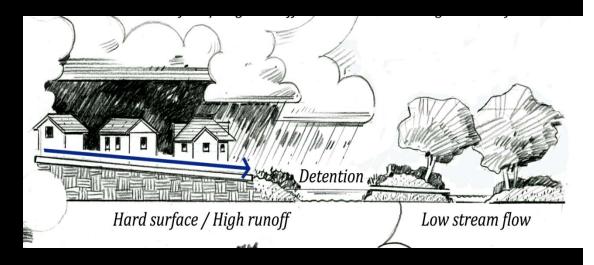
•Less infiltration, more runoff



•More runoff, higher velocity, more erosion, sedimentation, and down cutting. Greater loss of property and habitat, surface and groundwater contamination. Gravity run amuck

## **Engineering Strategies:**

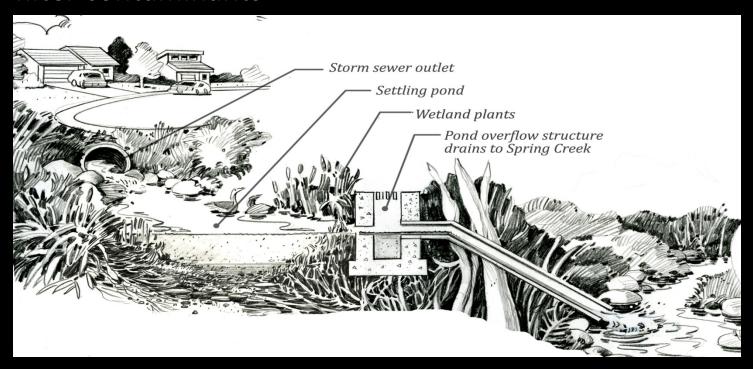
- •Honor the pull of gravity by restoring the water cycle. Create space for water movement and infiltration (Spring Creek)
- •Deal with water quantity and quality at the source (high end). Expense grows as water flows down the line.
- •Use small upstream detention ponds to reduce peak stream volumes.



Reduce impervious surfaces (roads, roofs)

## More:

•Incorporate settling ponds at storm sewer outlets to filter contaminants



- •Cultivate a low maintenance, native landscape aesthetic
- •Integrate solutions with transportation, open space, amenities, and habitat

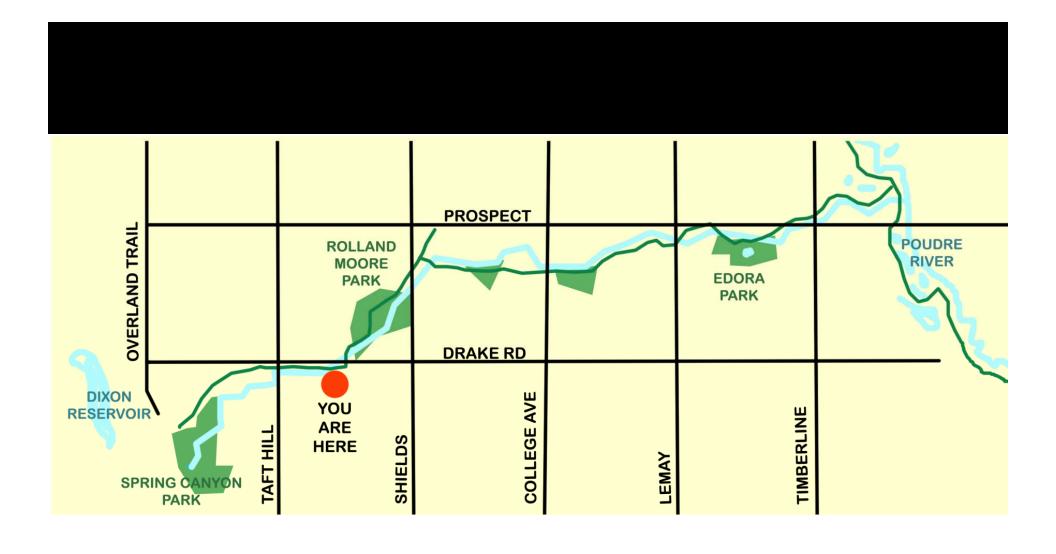


# Home owner strategies to encourage water infiltration and reduce runoff:

- Rooftop gardens
- Dense plantings of trees and shrubs
- Terraced rain gardens
- Use more permeable pavements

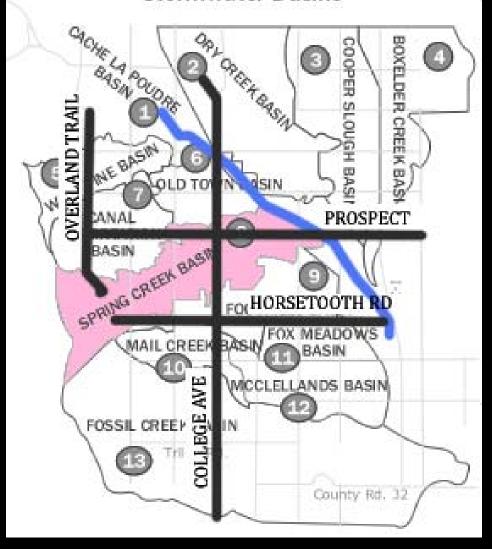
## Improve water quality:

- •Use Organic Fertilizers on your lawn and garden. Don't overspray.
- •Use a car wash. Don't wash it at home.
- Clean up spills before they reach the gutter
- •Repair car leaks gas, oil, brake fluid, antifreeze
- Pick up after your pet, even in winter
- Compost lawn trimming and leaves



## CITY OF FORT COLLINS

Stormwater Basins







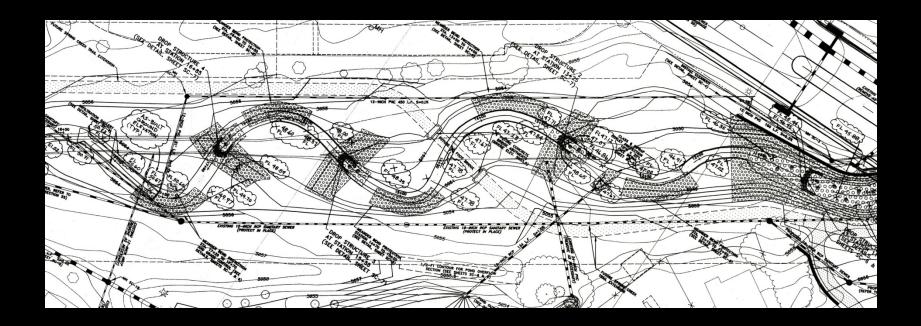
Pre-flood

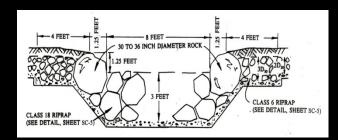


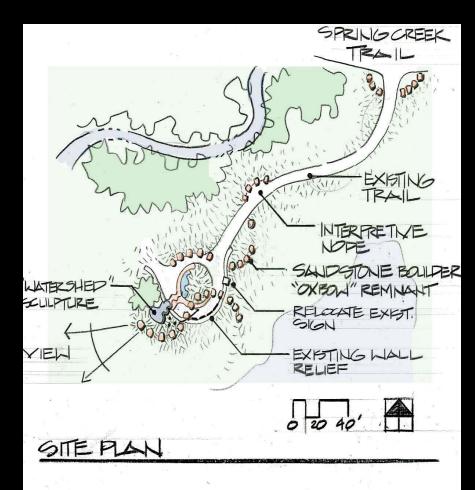




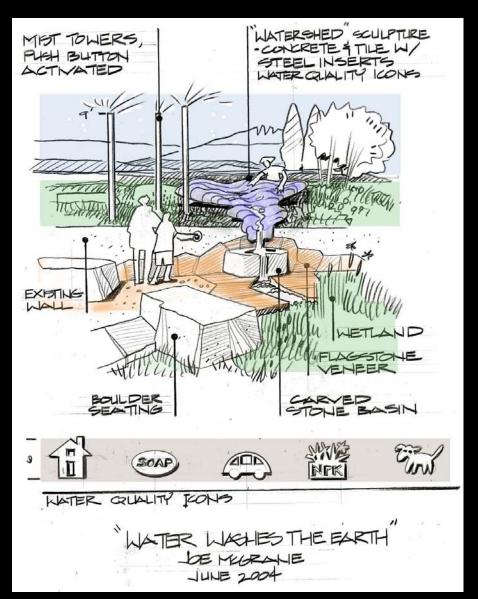
New and improved





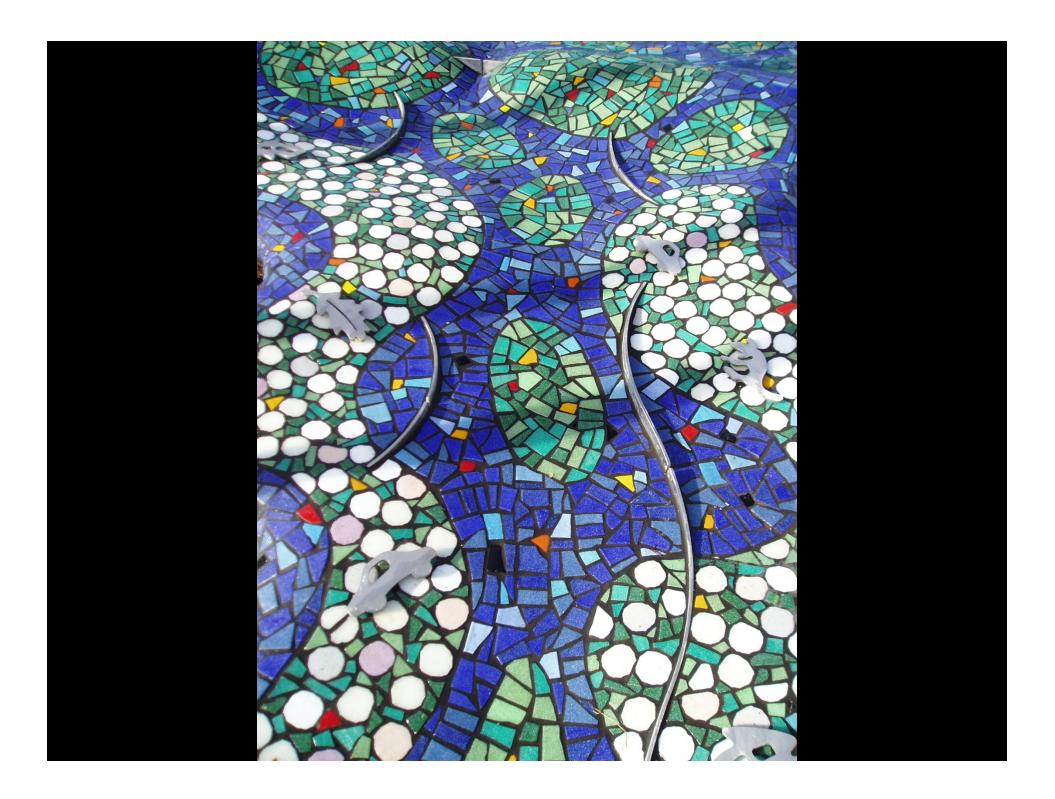


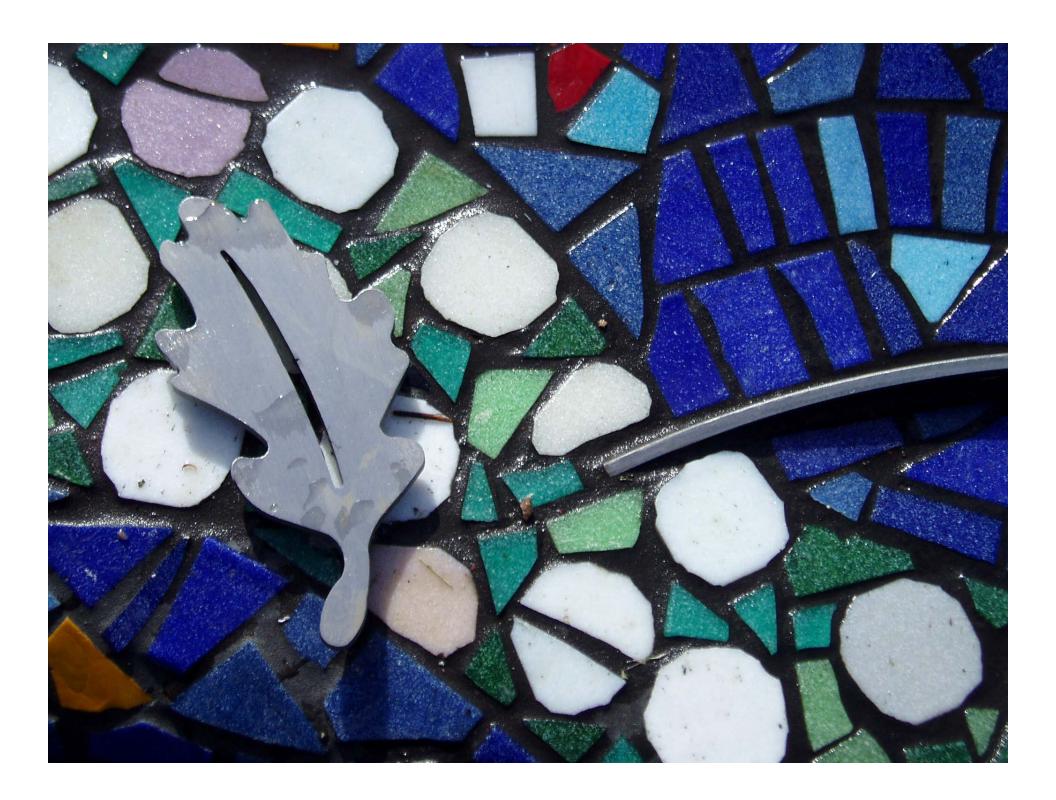
Water Washes the Earth Joe McGrane June 2004













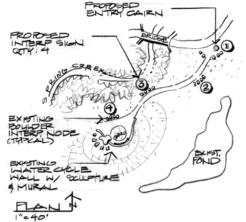












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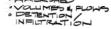
SECTION

### THEMES:

- (1) SPRING CREEK HISTORY
  FLOOD 199T
  FC UTILITIES MEMT
  03JECTIVES
- 3 WATER QUALITY . RUHOFF/CONTAMINANTS NFILTRATION EDUCATION
- 3 DEGICN/ENGINEERING

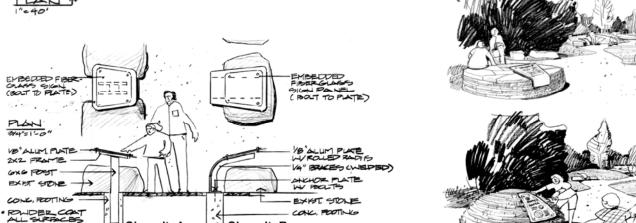
  HABITAT

  RECREATION
- 4 STORM WATER MGMT,
  - · MATERSHED





- FULL COOK EMBEDDED FIDER GLASS GRAPHIC PHOTO GRAPHS W/ HAND PRAININGS
- 3/30/3 ME45AGE/FONT



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Proposal for:

### Interpretive Signs and Trail Cairns

The Water Cycle Wall on Spring Creek Joe McGrane April 2010



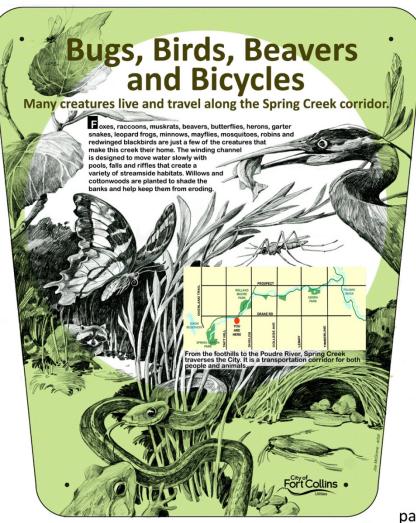












panel 3

