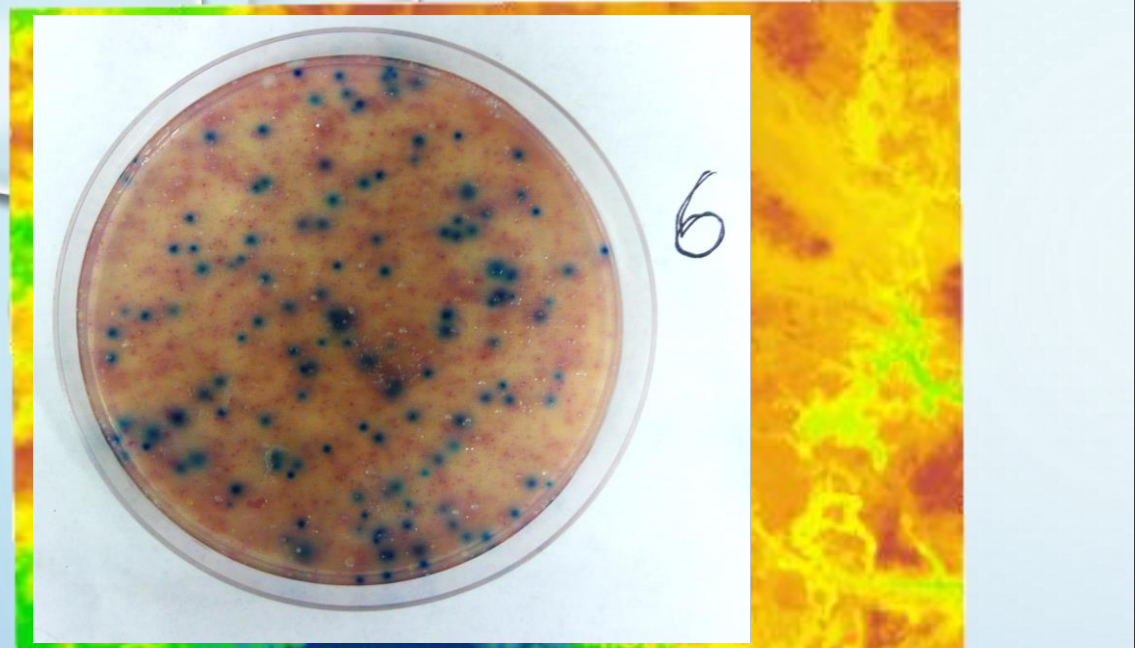
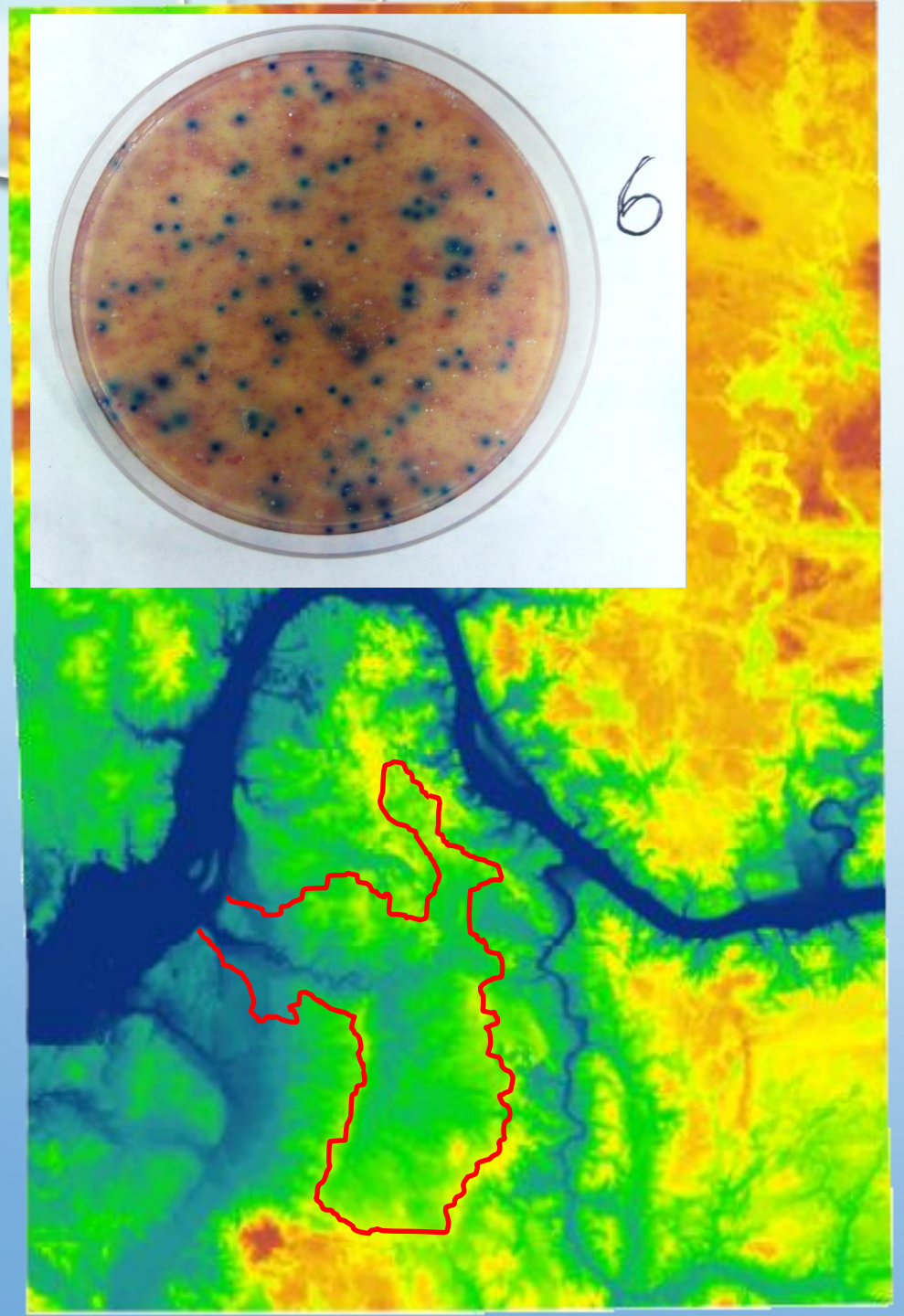
RAIN GARDENS ON STEROIDS:

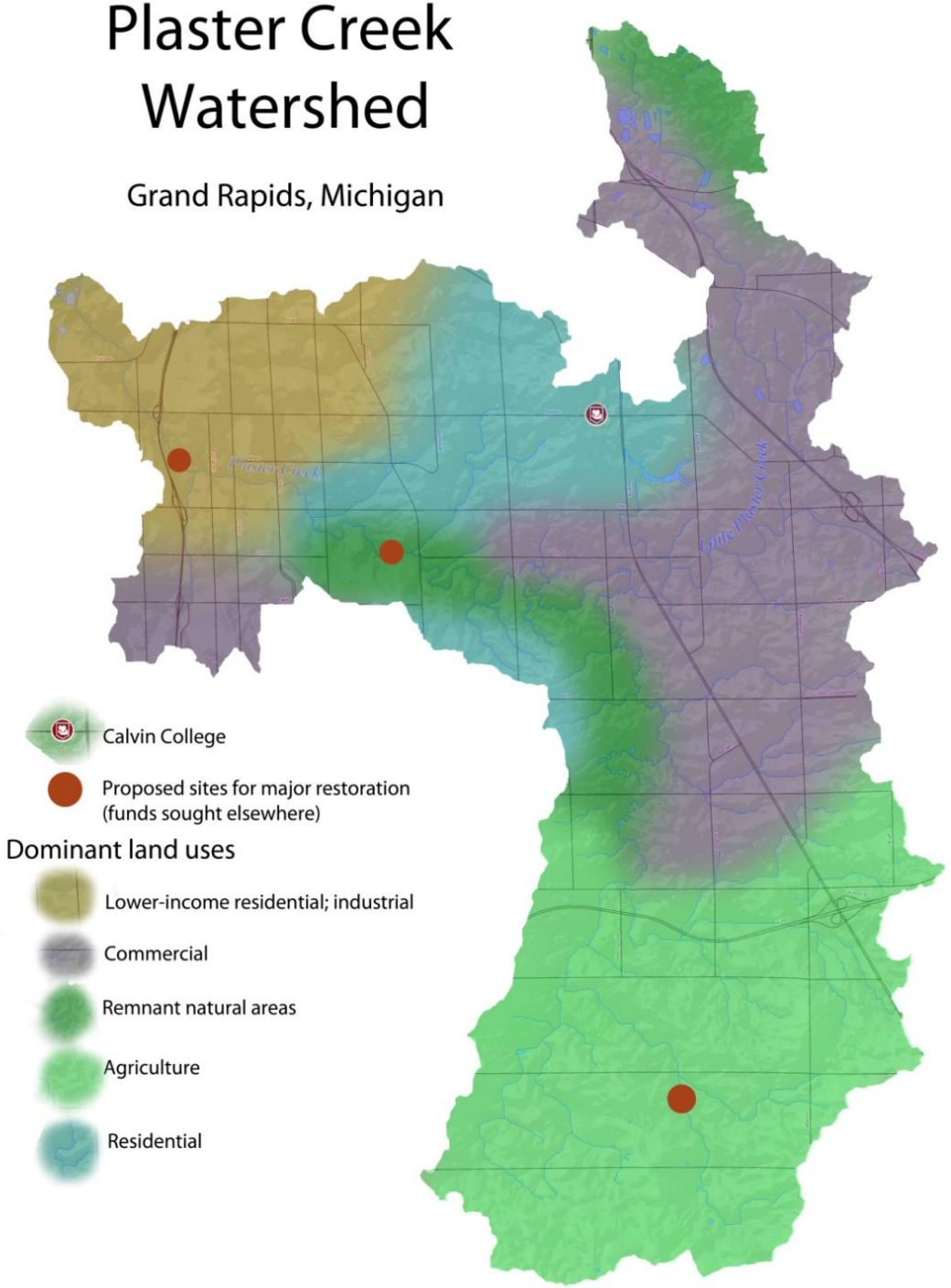
FIGHTING STORMWATER POLLUTION WITH TREES AND BIO-SWALES IN THE PLASTER CREEK WATERSHED





Plaster Creek Watershed

Grand Rapids, Michigan

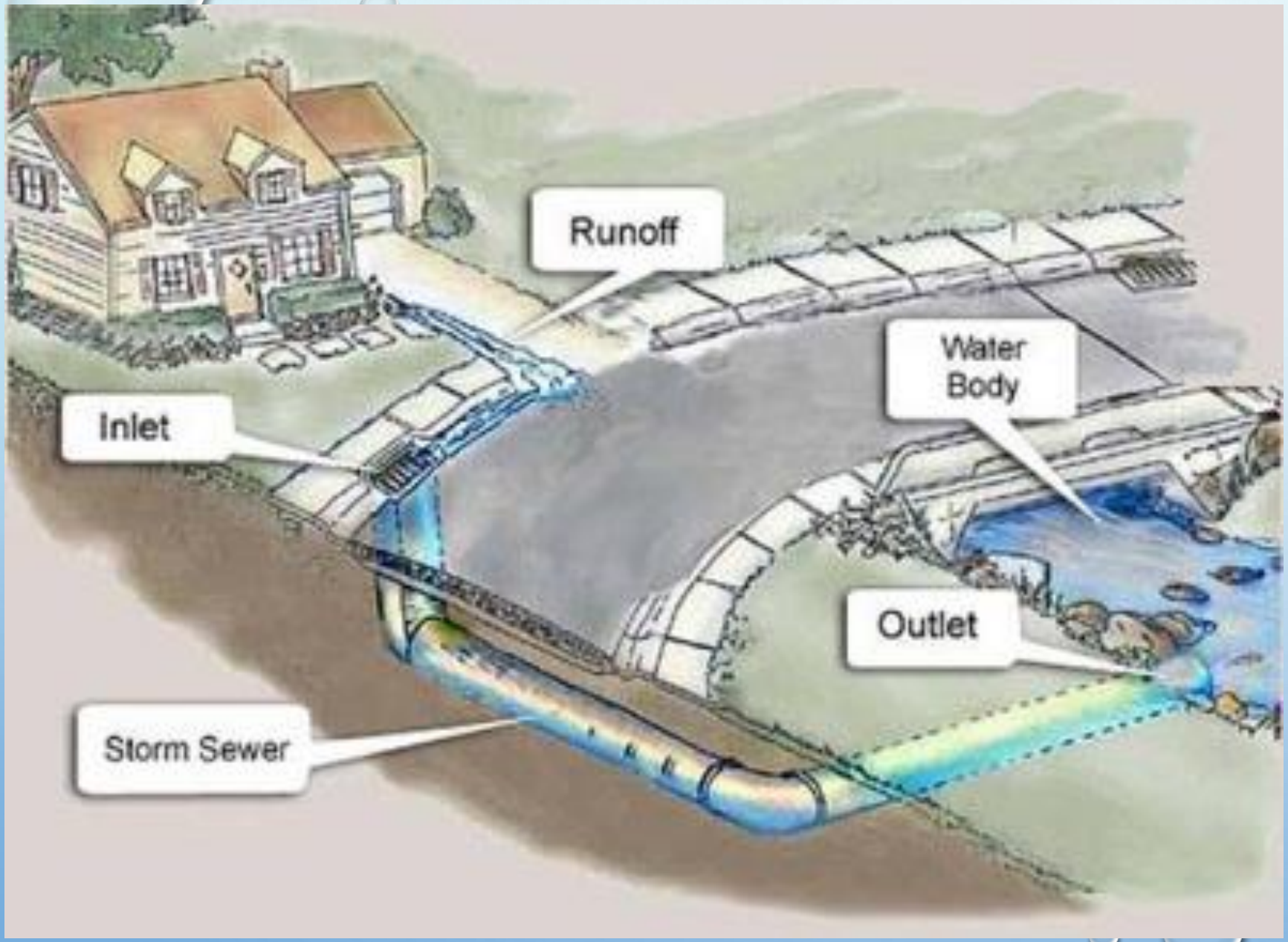


PCS UPDATE

- Successful green team
  (funding for two more years!)
- New DEQ grant
- Submitted *E. coli* monitoring grant
- Hiring Andrea Lubberts!

THE PROBLEM OF STORMWATER POLLUTION

- HTTPS://WWW.YOUTUBE.COM/WATCH?V=7W0QLOY0MZE



The current model:

Quick and dirty stormwater solutions…

"Get it outta here ASAP!"

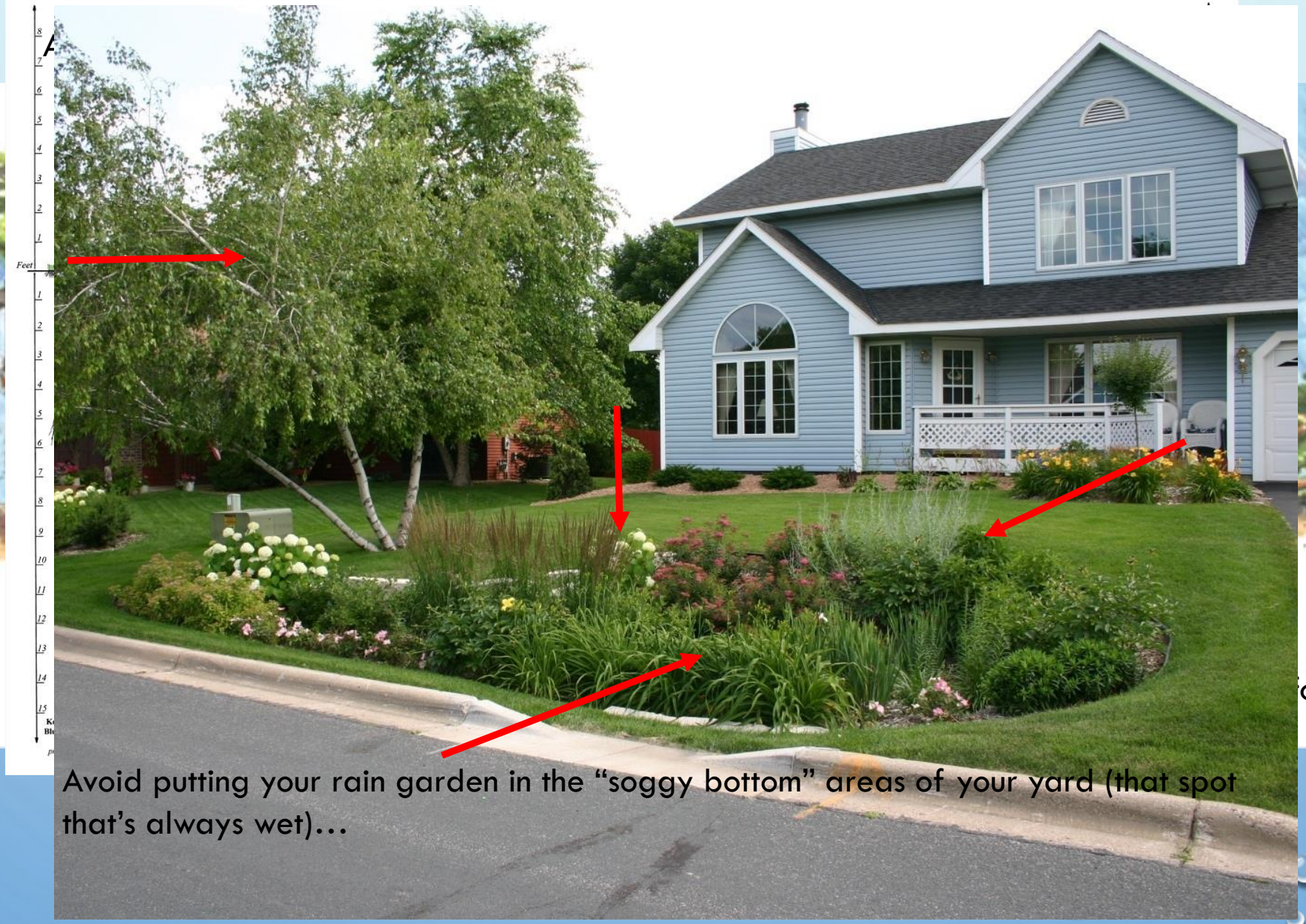
"Let everyone downstream deal with it!"

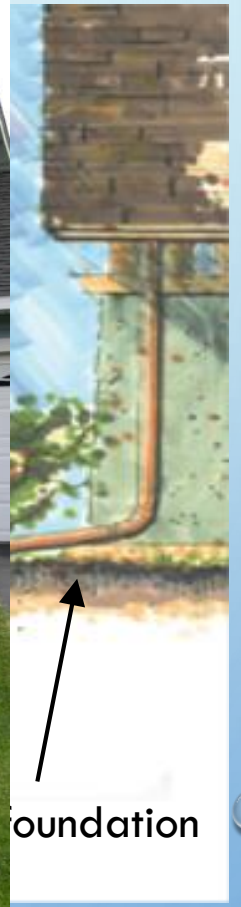
"I'll just drive to Newaygo to go fishing"

"That's no creek, that's just a drain!"

"A healthy, beautiful, flourishing natural world is not something worth leaving for my kids"

Rain Gardens are designed to capture and clean stormwater!

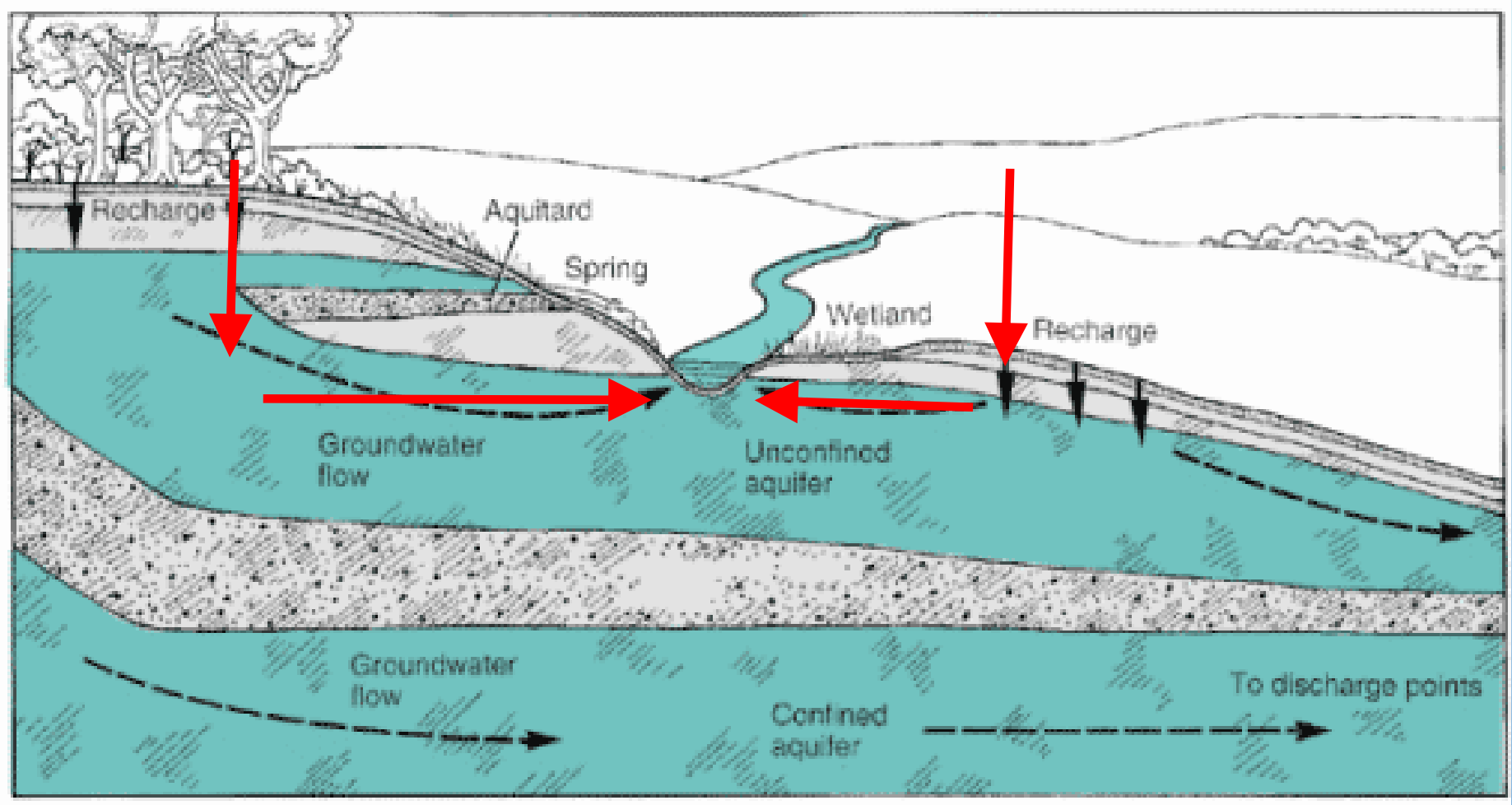




oundation

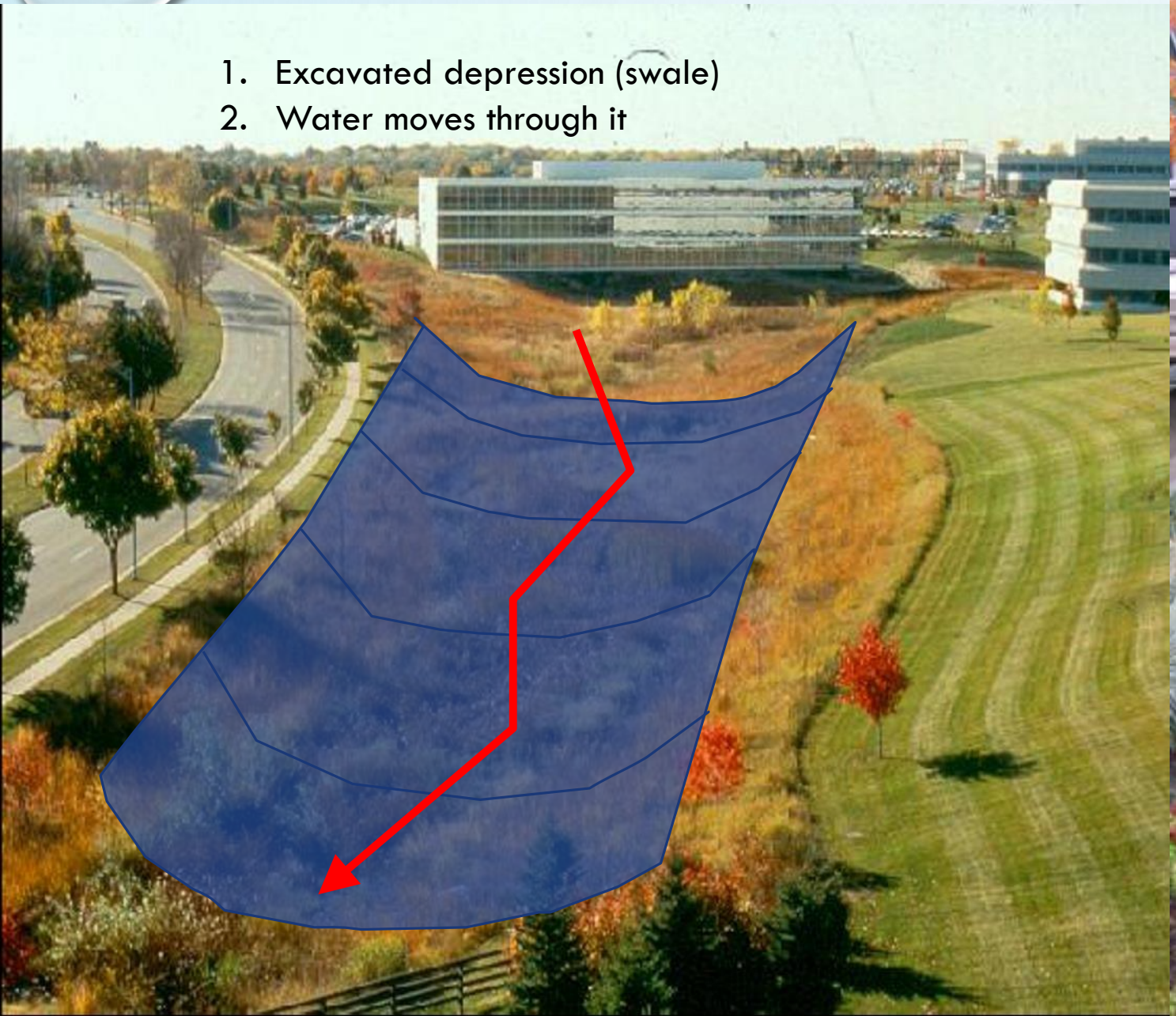
Avoid putting your rain garden in the “soggy bottom” areas of your yard (that spot that’s always wet)…

How does a rain garden mimic natural water cycles?

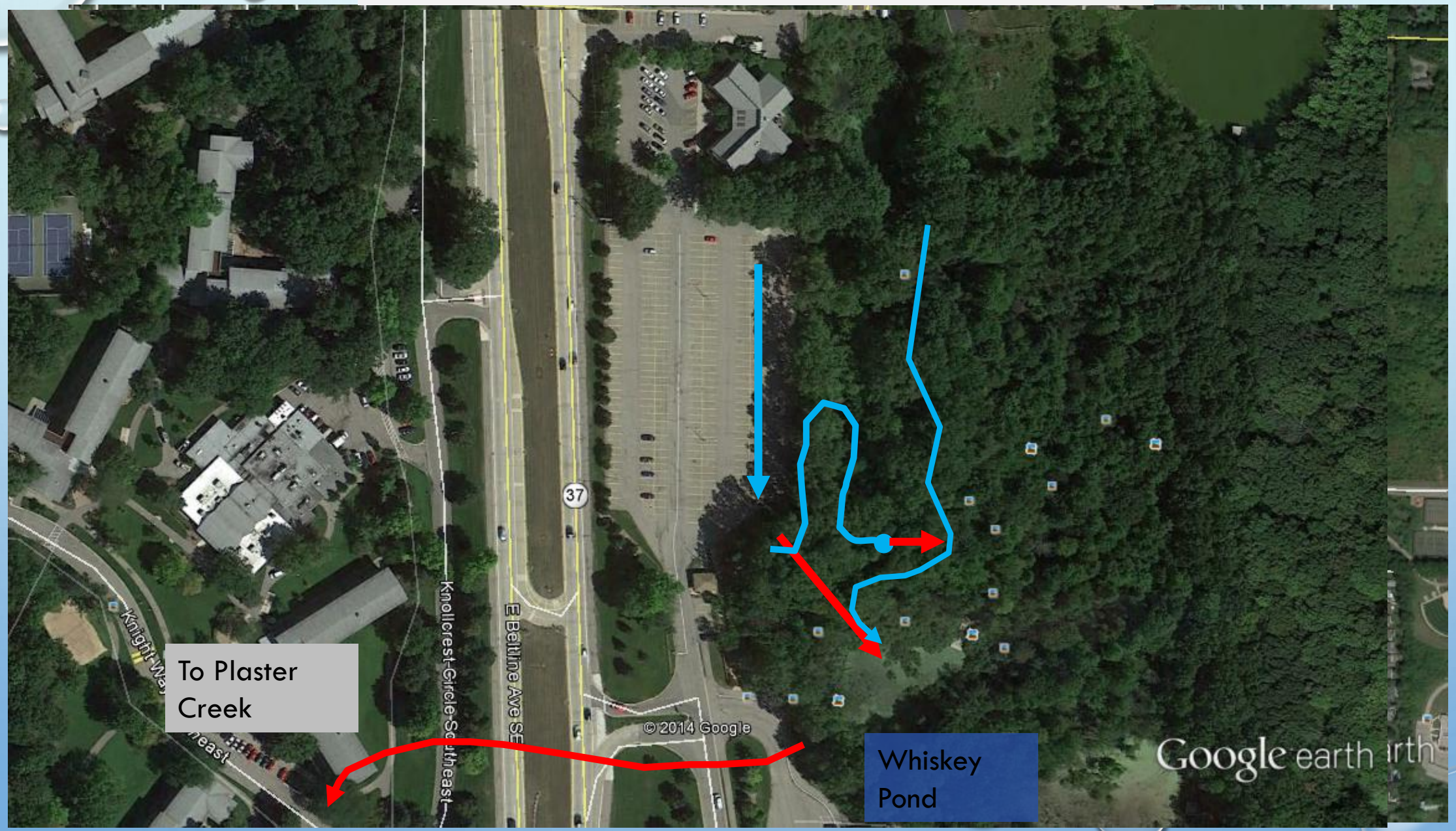


SO WHAT IS A BIO-SWALE?

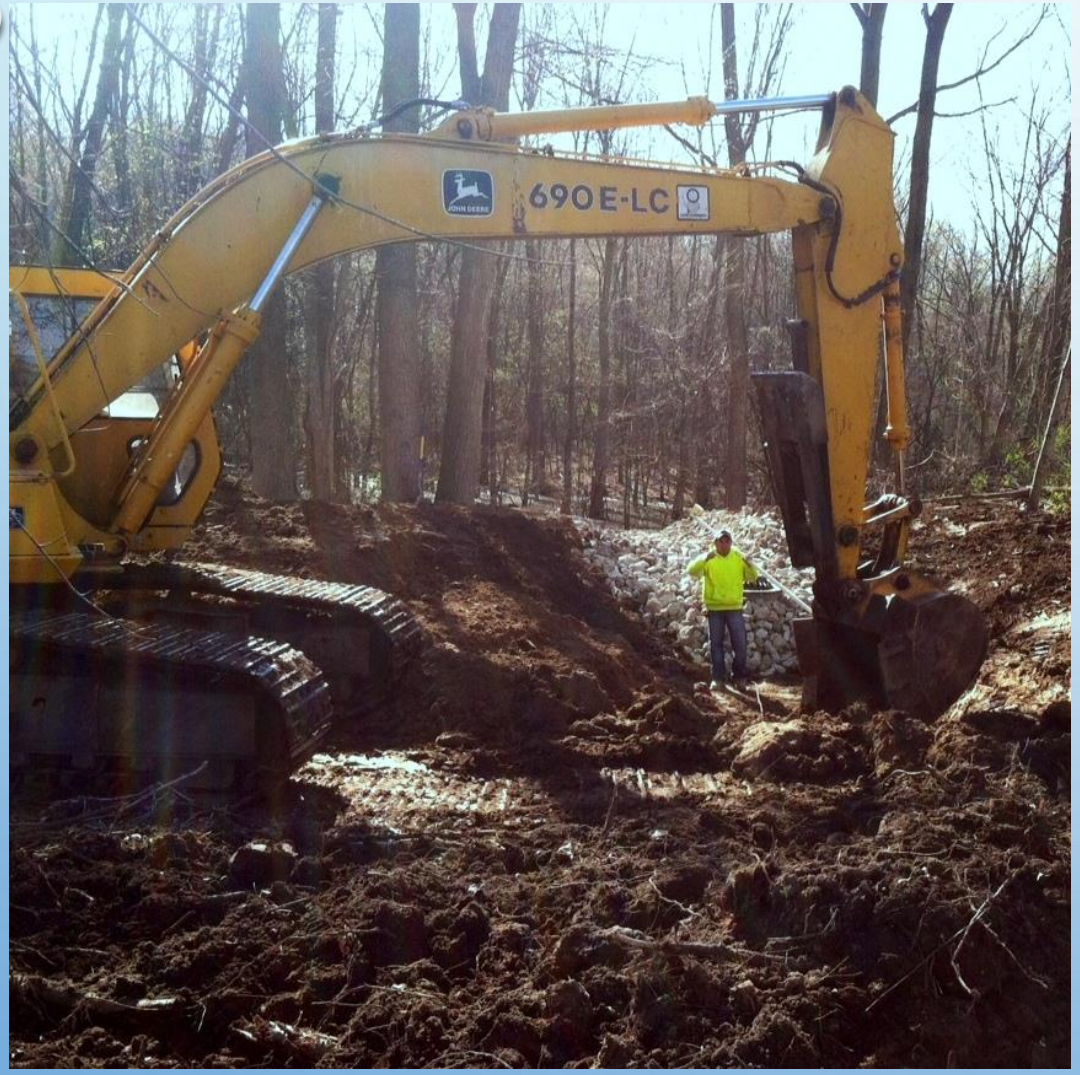
1. Excavated depression (swale)
2. Water moves through it



Whiskey Creek Bioswale

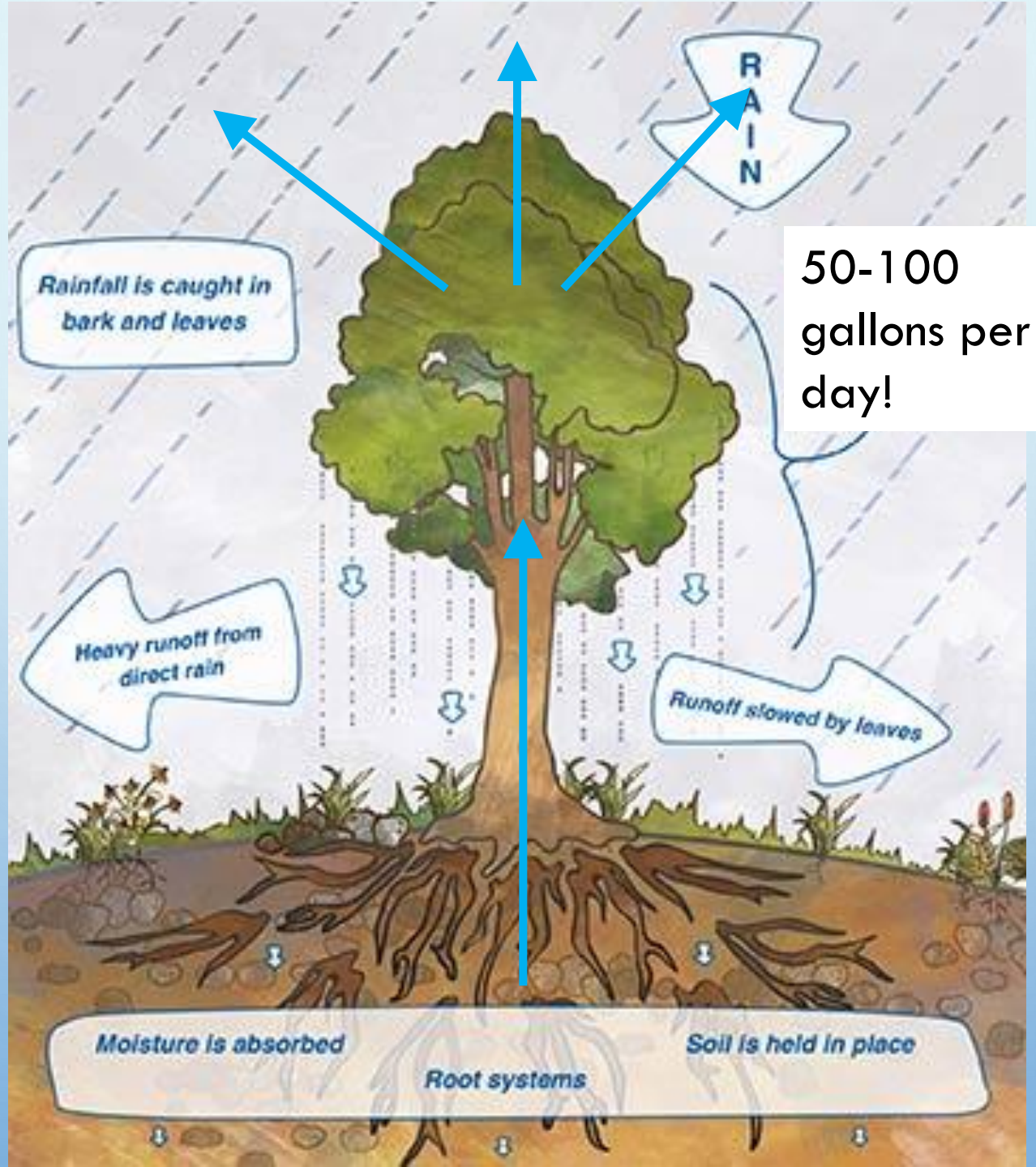


Whiskey Creek Bio-swale



PLAY

STOP



50-100 gallons per day!