# Hendricks parking lot and sidewalk

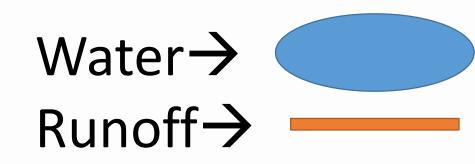
Kit Allman, Lamont Murray, Elijah Cutler, and Seth Wilson Advisor: Dr. Denise Bauer

# Problem

- The parking lot and sidewalk flood
- The runoff areas aren't leveled correctly
- The water has to be a certain level before it drains into the drainage or even flows over downhill

#### Data





#### Constraints

- Money
- Time

- Materials
- People

## **Solution 1**

- Make a concrete barrier to force the water toward the drainage.
- Fix the runoff problems so it does not overflow the parking lot and sidewalks.

## **Solution 2**

- Lower the drainage systems.
- Put grates on the front of the drains so it is easier to clean when the eaves get stuck in them

