

# Less Rain Down the Drain

Options for West Cary Middle School



## **Idea: courtyard raingarden?**

- Would treat rooftop runoff
- Shade plants required





## **Bioswale next to basketball court?**

- Likely would get trampled





## Baseball field erosion

- School has been grading to reduce ponding
- Runoff flows to riparian buffer
- Stabilization needed





## Courtyard raingarden

- No trees/no obstacles
- Sunny site/more plant options
- Would solve ponding problem
- Kids walk past to cafeteria every day
- Cistern is also possible if teachers would use it regularly (?)





- Clogged drain causing ponding near foundation and in yard (algae growing





## Staff parking lot

- Ponding occurs during and after rains
- Opportunity for curb-cut and swale.
- Wetland to treat parking lot, though looks like School doesn't own much of adjacent property





## Parking lot raingarden

- Could capture much of large parking lot, reducing runoff and pollutants from cars and lot





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Imagery Date: May 31, 2007

35°48'07.39" N

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78°47'39.36" W

elev 468 ft

Eye alt

1517 ft



# Next steps

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- ▶ Request form to Wake County facilities for approval
- ▶ Site survey & design, review by school
- ▶ Determine funding to pay for construction & materials
- ▶ Project out to bid
- ▶ Construction
- ▶ Volunteer planting day with Cary Rotary
- ▶ Create/install signs

