

West Pottawattamie Soil and Water Conservation District

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Little Pony Creek Watershed - Urban Practices

Hills of Cedar Creek Housing Development:

- **Compost/ Native seeding** on approx. 6 acres of boulevard, sediment & water control basin and walking trail/green space areas of the housing development. *Partners: WIRB, IDALS, SWCD, NRCS, Developer, contractor.*
- There are 8 **Bioswales** installed along the main boulevard entrance into the development. They direct and infiltrate storm water runoff and reduce erosion and sediment loss. *Partners: WIRB, IDALS, SWCD, NRCS, Developer.*
- The Carol Wright property has three **rain gardens**. The gardens capture and infiltrate storm water runoff from the home. *Partners: NRCS, WIRB, IDALS, SWCD, landowner.*
- The Dan & Andrea Mann property is in the design stages of a large **rain garden** on the property to capture a large portion of the storm water and infiltrate it on site. *Partners: WIRB, IDALS, SWCD, NRCS, landowner.*

Iowa School for the Deaf:

- **Rehabilitated Wetlands & Bioswale:** The campus wetlands have been reworked to include a bioswale to direct storm water from the Lied Center and parking lots into the wetland. *Partners: SWCD, NRCS, IDALS, US Fish & Wildlife, ISD.*

Wetlands during and after rehabilitation

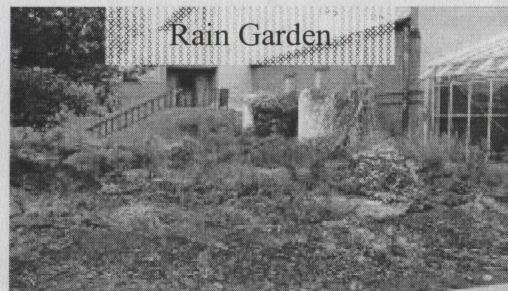


Students doing IOWATER Water Monitoring

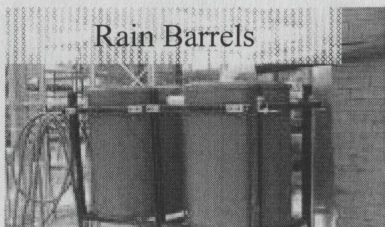


- **Water Monitoring:** Staff and students at ISD are sampling the water from the wetland and Little Pony Creek every month using IOWATER techniques. They test for PH, dissolved oxygen, chloride, phosphates, nitrates and nitrites. The data collected is submitted to the DNR- IOWATER website. USGS has installed a monitoring station that monitors both the creek and wetland for water levels, water and air temperature and precipitation. These parameters are recorded and transmitted to the USGS web site every 15 minutes in near real time. *Partners: SWCD, IDALS, IOWATER, USGS, WIRB, NRCS, ISD.*

- **Rain Garden:** A 540 sq. foot rain garden has been installed to capture storm water from the green house classroom and dining hall. The garden was planned and designed with the help of students. The greenhouse class grew plants in the green house to be planted in the rain garden. Planting day involved every student and staff member on the campus from Pre School to the administration staff. *Partners: WIRB, SWCD, IDALS, LOST, ISD*



Rain Barrels



- **Rain Barrels:** Two rain barrels were installed beside the greenhouse to capture storm water from the green house classroom that does not flow into the rain garden. The rain water is collected in the barrels then used to water the greenhouse plants and the rain garden when needed. *Partners: SWCD, ISD, Barton Solvents.*