Urban Conservation In Iowa

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IDALS’s Urban Conservation Team

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Traditional Funding for Urban Conservation in Iowa

- EPA Sec 319 funded watershed projects
- State funded (WSPF) watershed projects
- REAP cost-sharing for urban BMP’s if local SWCD choose.
- Municipal cost-sharing from SW Utility fees
Three Breakthroughs

- Partnerships with DNR and IA Economic Development Authority (IEDA).
- **DNR’s SRF Sponsored Projects**
- **IEDA’s** Green Streets Criteria for **CDBG** and other funding mechanism ($6.4 million this year)
- **IDALS’s** UC’s provide **Technical Assistance** for project development and approval of practice designs
- Nutrient Reduction Strategy ... Water Quality Initiatives ... 9 urban demonstrations funded - ~$600,000 worth of projects. (36 appl’s rec’d requesting ~$3 million) (~$11 million for ag projects)
Stream Corridor Restoration
Infiltration-Based BMP’s

- Green Roofs
- Rainwater Harvesting
- Soil Quality Restoration
- Native Landscaping
- Porous Pavement
- Bioretention
- Bioswales
Rainwater Harvesting
Soil Quality Restoration
The neighbor’s yard

Yard with fall applied compost

Early Spring
Native Landscaping:
(Beautiful & hydrologically functional landscapes – 30% of any site)
Native Turf
Permeable Pavement
West Union, Iowa
**Enhanced Rain Garden Cross Section**

- **6”-9” Ponding Depth**
- **6” specified soil mix**
- **6” Roto tilled**
- **~24” fill trench with specified soil mix**
- **2” thick Washed Concrete Sand**
- **Native/Natural Soils**
- **8”-12” Washed Rock & Subdrain**
- **Perforated Subdrain**

**Percolation Rates of 0.5”/hour to 1”/hour**
Von Maur - Coralville
Road Ditch Bioswales

East Okoboji Beach
Iowa’s First (Pilot) Sponsored Project

Dubuque’s Green Alley Program
Iowa’s Second SRF Sponsored Project to break ground

City of Clinton

Multi-practice remake of old downtown – to be completed this construction season.
Iowa’s First Completed Sponsored Project