Morse Park Rain Garden

Before Condition—Unsightly Concrete Pond Requiring Frequent Maintenance

Design Goals
- Provide park amenity
- Reduce maintenance burden
- Enhance stormwater quality
- Reduce water use in garden
- Maximize lifespan of system
- Public involvement
- Public interpretation

Design Information
- Drainage area: 15 ac
- Imperviousness: 31%
- WQCV: 6,800 cf/1’ depth
- EURV: 0.5 af/1.5’ depth
- Pretreatment: Parking lot forebays, grass swales, internal forebays
- Peak inflow rates: 100 year = 46.0 cfs, 5 year = 12.0 cfs, 2 year = 6.0 cfs
- Pump flow rate: 100 gpm +/-
- Construction cost: $140,000

Key
A Rain garden
B Inlet with snout
C Internal forebays
D Infiltration swales
E Remote forebays

Water Quality Features
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Rain Garden Section

Growing Media Mix
- Sandy Loam Topsoil
- Screened Athletic Sand

- 60%
- 40%

Media Installation

Volunteer Planting Day — November 16, 2013

June 2014 Rainstorm