Metropolitan St. Louis Sewer District and Green Infrastructure

Susan McCrary, P.E.
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Separated/Combined Sewer Areas
MSD’s Green Infrastructure Program for CSO Volume Reduction

MSD’s Long Term Control Plan (LTCP)
- Plan to address combined sewer overflows (CSOs)
- www.stlmsd.com

Green Infrastructure Program details:
- Chapter 12
- Appendix Q
Green Infrastructure Program

- $100 Million
- 23 years
- Area that flows to CSO’s along the Mississippi River
- Bissell Point service area
- Mostly within the City of St. Louis
Pilot Program

• First $3 Million
• First 5 years (2011-2015)
• Demonstration Projects
• Monitoring
• Education/Outreach
• Develop plan for Full GI Program
• Final Report
CSO VOLUME REDUCTION - GREEN INFRASTRUCTURE (Pilot Program) (Project #11048)
Concept Schematic
How’s it going so far?

Demolitions completed by LRA

- 220 parcels
- 222 buildings
- Removed 10 acres impervious surface
Site Scale Projects

Habitat for Humanity Planter Boxes

[Diagram showing the construction details of a planter box, including dimensions, materials, and installation instructions.]
Site Scale Projects

Individual Raingardens

Amended Soil
Neighborhood Scale Projects

#1323 Clinton Bioretention
Under Construction
Pilot Program Schedule

2013 Construction Complete
Monitoring and Outreach
Full Program Development
2015 Pilot Program Report
Full GI Program

“Early Action” projects:

- Good opportunities for partnership prior to pilot program completion
- Must be approved by EPA
- First group sent to EPA in December
- Next application period August 1 – October 31, 2013
Questions?

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Thank You!