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RAPIDS

Environmental
Services
Department

Stormwater

- Stakeholder Group
- Master Plan
- Capital Improvement and Asset Management Plan

Streets

- Sustainable Streets Task Force
- Vital Streets Plan

A Report of the Grand Rapids Community Based Stormwater Planning Initiative

August 2012



WMEAC



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Vital Streets

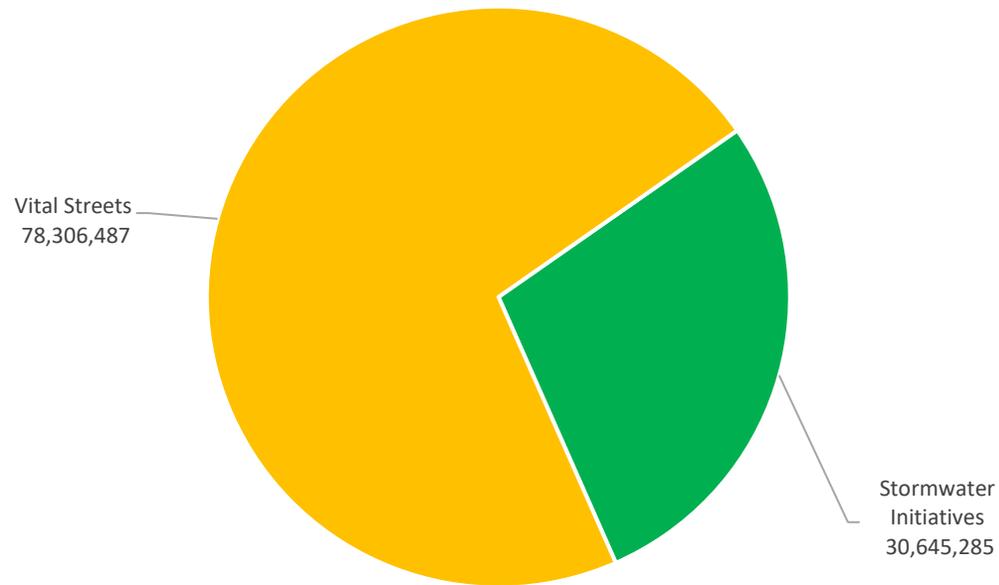
PLAN



Stormwater Investments – Vital Streets

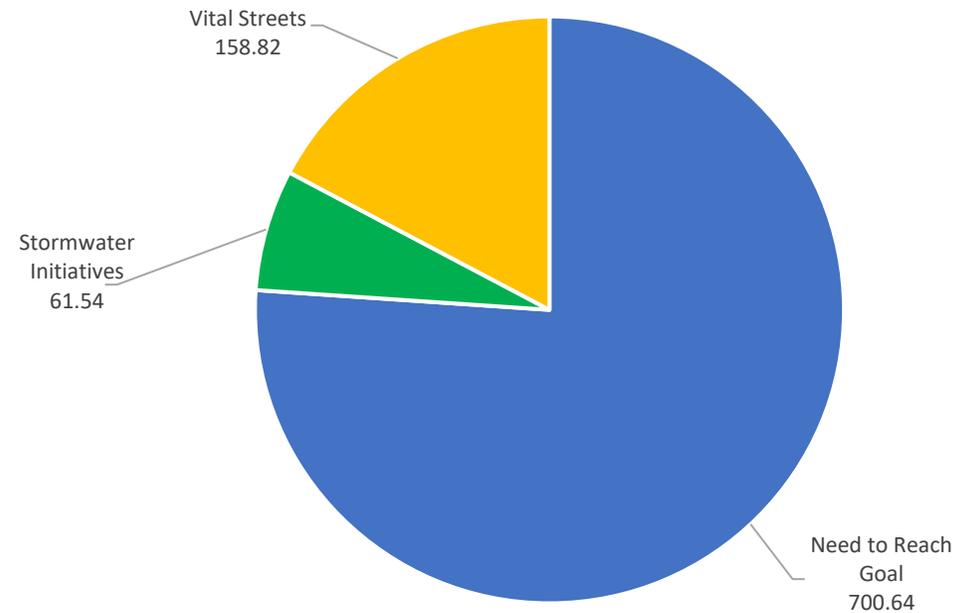
Vital Streets = Complete Streets + Green Infrastructure

Gallons Infiltrated
Goal Reached



■ Stormwater Initiatives ■ Vital Streets

Acres Treated for Water Quality



■ Need to Reach Goal ■ Stormwater Initiatives ■ Vital Streets

Making Room in the Right of Way



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Leaching
Catch Basin



Pedestrian
Refuge



Curb Extension /
Bulb Out

Riverside Park Porous Cycle Track



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Highlights

- Bike Connector
- Minimizes Puddles/Ice



Metrics

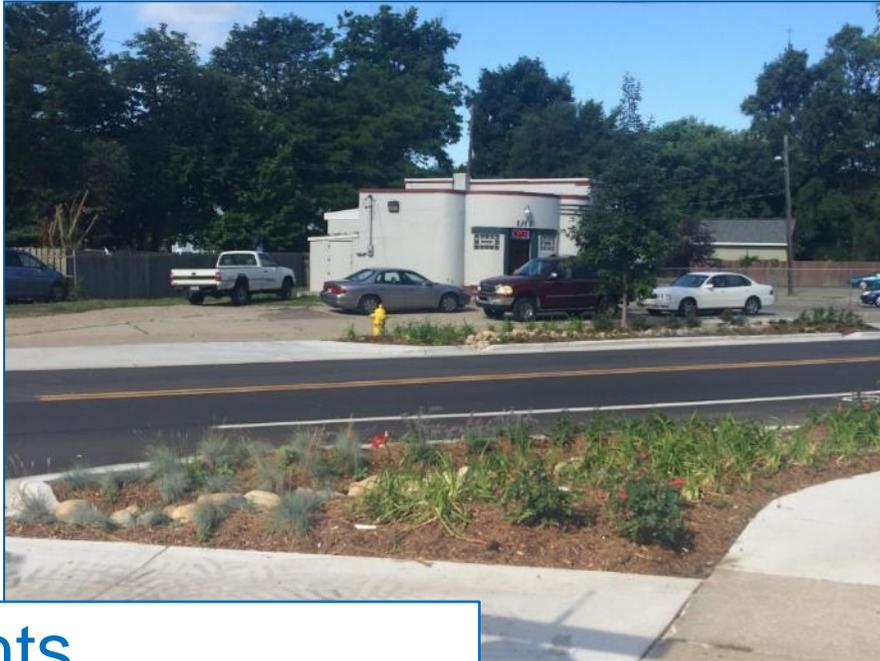
- 2.1 Miles
- 132,000 gal/yr inf

Kalamazoo Avenue Bioswales



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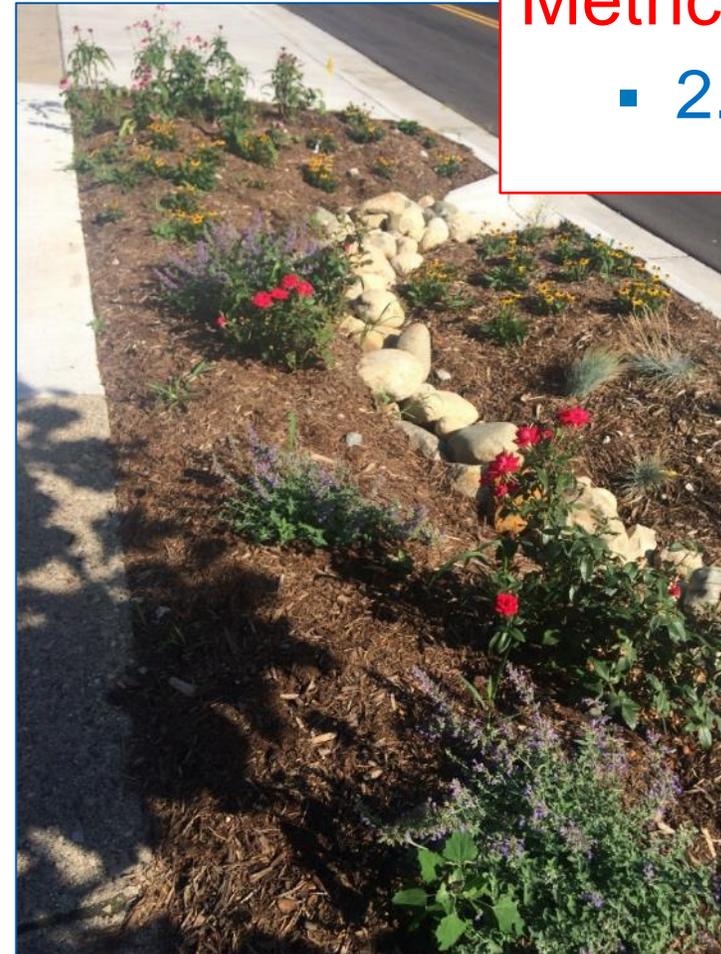


Highlights

- Community Engagement
- Non-native plants

Metrics

- 2.6M gal/yr inf

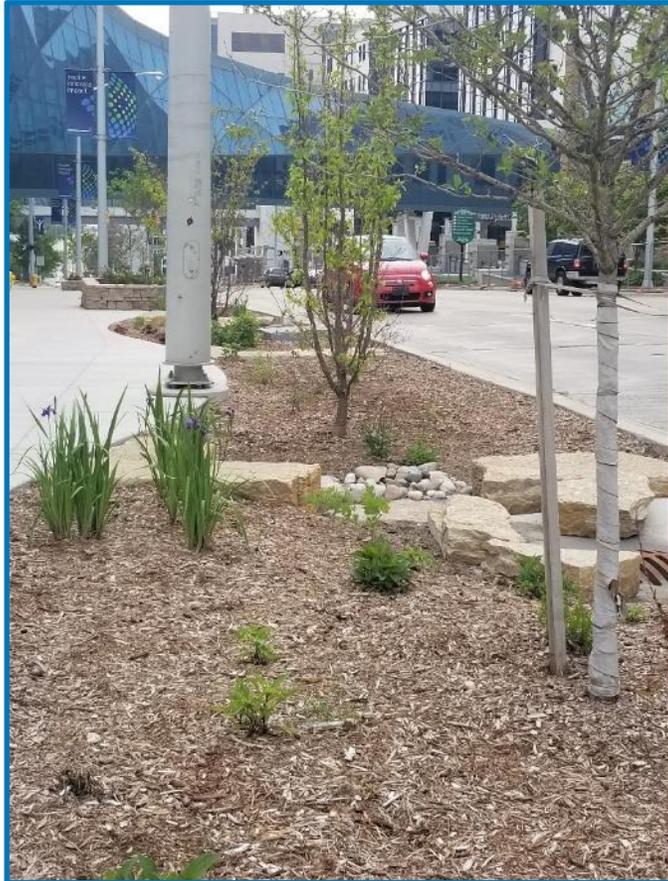


Michigan Street Highlights



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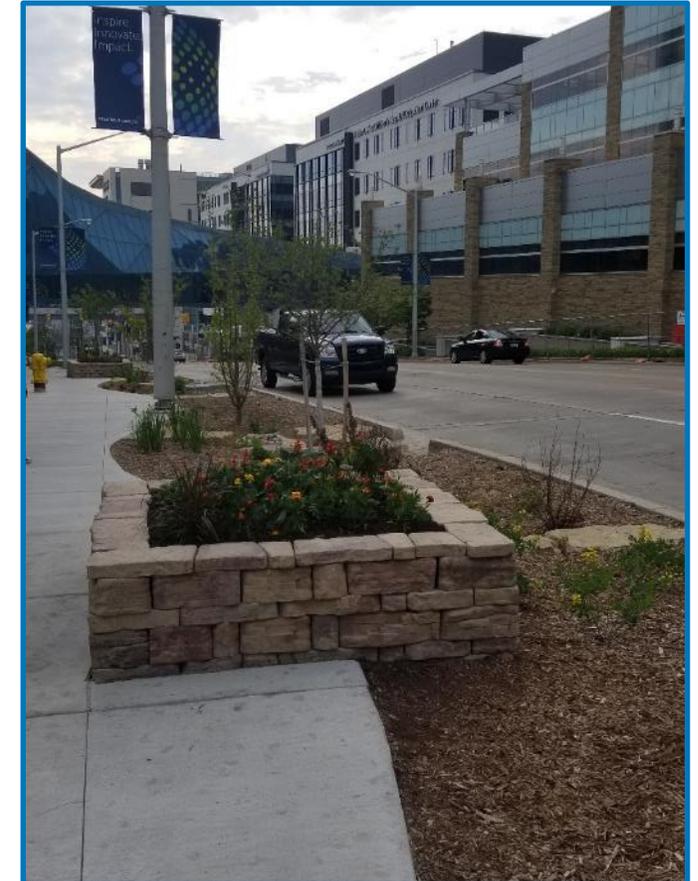


Highlights

- Partnership with Spectrum, DDA, Smart Zone, Vital Streets, and ESD

Metrics

- Estimated 300,000 Gallons of Infiltration per Year
- First Flush Treatment for 0.46 Acres



Atlas Avenue



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Highlights

- Neighborhood Involvement / Embracement
- Reduced Flooding
- Aesthetics
- Traffic Calming



Metrics

- 448,846 gal/yr inf

Funding Gaps



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- Stormwater Utilities
- Loans vs. Grants

