Green Infrastructure & Equitable Redevelopment in Lawrence, Mass.

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Groundwork USA
Mission

To bring about the **sustained regeneration**, improvement and management of the physical environment **by developing community-based partnerships** which empower people, businesses and organizations to promote environmental, economic and social well-being.
Community Mandate

Community
- Family Events
- Community Cleanups
- Healthy Living Workshops
- Community Planning

Open Space Environment
- Parks & Playgrounds
- Rivers & Canals
- Tree Canopy
- Trails & Greenways
- Stewardship

Education & Job Training
- Green Jobs
- Service Learning
- Youth Employment
- Schoolyard Gardens
- Environmental Educ.
- STEM Education

Fresh Food Healthy Living
- Active Spaces
- Community Gardens
- Urban Farming
- Farmers Markets
- Veggie Rx & Incentives
About Lawrence / Massachusetts

• Population ........................................ 77,657 (12th largest city)
• Hispanic or Latino .............................. 73.8% (9.6%)
• Foreign born ...................................... 37.6% (15%)
• Persons below poverty line ........... 29.2% (11.4%)
• Median household income ............ $32,851 ($66,866)
• Housing units in multi-unit structures ........ 75.9% (41.7%)
• Share of combined sewers in system ........ 72%
Park / Infrastructure Projects (2001-2014)
## 2009 - 2014 Park Project Pipeline

- Howard Playstead: $500,000
- Community Gardens: $320,000
- North Common (Phases I, II, III): $1.5 million
- Spicket River Greenway: $3.0 million
- Oxford Park: $1.2 million
- Union Crossing Corridor: $600,000
- Costello Garden: $30,000
- Facella Lot: $200,000
- Spicket River Revitalization: $100,000
- Gar Park: $250,000
- Tattersall Farm: $250,000
- Registry Lot: $80,000
- The Point: $250,000
- Ferrous: $2.75 million
- Total: $11.0 million
2015 – 2019 Park Project Pipeline

- Kane Lot $600,000
- South Common (Phases I, II) $800,000
- Methuen Rail Trail $750,000
- Spicket R. Greenway (Jackson/Newbury) $150,000
- Lawrence Rail Trail $2.5 million
- North Canal Tow Path $600,000
- Costello Garden Expansion $30,000
- Merrimack Riverwalk $2.75 million

$9.2 million
2009 – 2014 Planning Projects

• North Canal
  – Placemaking Workshops
  – Urban Land Institute Technical Assistance Panel

• Urban Waters
  – Spicket River Baseline Report
  – Spicket River Crew

• Brownfield Assessment Program
  – Lawrence Downtown West Planning Study
  – Regional Public Safety Training Facility
  – Buckley Garage

• Urban Forestry
  – Lawrence / Methuen / Haverhill
Public- Private Partnership

• Funding: City (CDBG), State (Environmental Bond), Federal (EPA – Brownfields)

• City provides overall strategic guidance, project oversight and fiscal management

• Groundwork provides project management, organizes community outreach, and frequently contracts with consultants (Surveyors, Civil Engineers, Structural Engineers, Geotechnical Engineers, Environmental Engineers, Landscape Architects, Architects, General Contractors)
The Spicket River Greenway: A series of riverfront parks
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Dr. Nina Scarito Park (2.8 acres)
Former Mill / Industrial dry cleaner site
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Manchester Street Park (5 acres)
Former Trash Incinerator / rail yard
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Spicket River Greenway: Connecting the Parks
Stevens Pond: Before Greenway
Stevens Pond: Before Greenway
Stevens Pond: After Greenway
DPW Yard: Before Greenway
DPW Yard: After Greenway
DPW Yard: After Greenway
DPW Yard: After Greenway
Erving Avenue: Before Greenway
Erving Avenue: After Greenway
Hayden Schofield Playstead: Before Greenway
Hayden Schofield Playstead: After Greenway
Hayden Schofield Playstead: After Greenway (Causeway)
The Greenway at Immigrant Place Park
The Greenway at Immigrant Place Park
The Greenway at Immigrant Place Park
Stewardship

The Spicket River Clean-up
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The Spicket River Clean-up
The Ferrous Site (5.4 acres)
Confluence of the three water bodies
Urban Environmental Education
Urban Environmental Education
Urban Ecology
Urban Waters Heritage: Canal, Locks, Sanitation innovation, CSO

LAWRENCE EXPERIMENT STATION, FOUNDED 1886

O.H. BAILEY BIRD'S EYE, LAWRENCE 1876

HISTORIC LOWER LOCKS
Scenic Waterfront
Existing conditions
Vegetation strategy
Site Plan
Cross Sections
Green Infrastructure: Swale and rain garden
Green Infrastructure:
Porous paving and bridge at rain garden
Community Engagement
Community Engagement
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