

Green Infrastructure & Equitable Redevelopment in Lawrence, Mass.

Brad Buschur || Groundwork Lawrence January 31, 2015

Groundwork USA











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 wellbeing.

Community Mandate







About Lawrence / Massachusetts



- 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 Plan 	aystead	\$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 \$11.0 million

2015 – 2019 Park Project Pipeline



•	Kane Lot	\$600,0	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

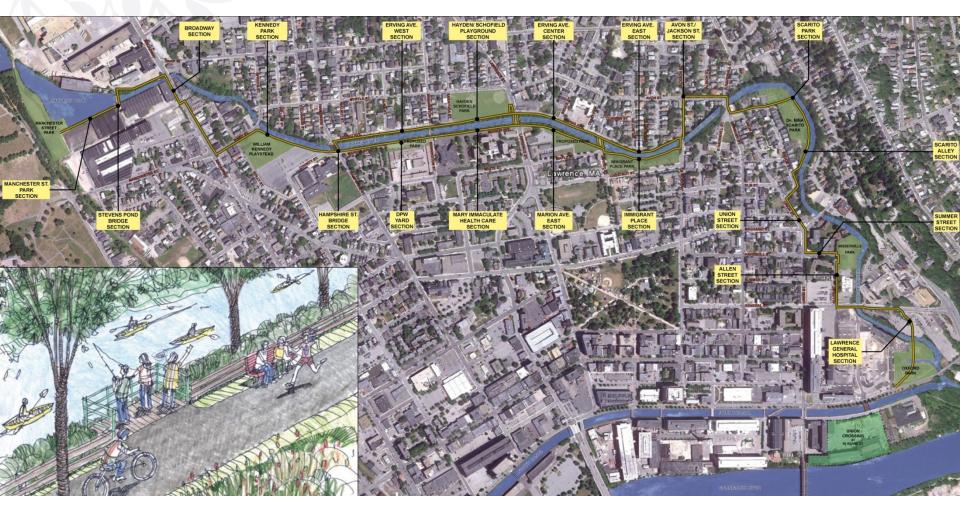
Public- Private Partnership



- 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)

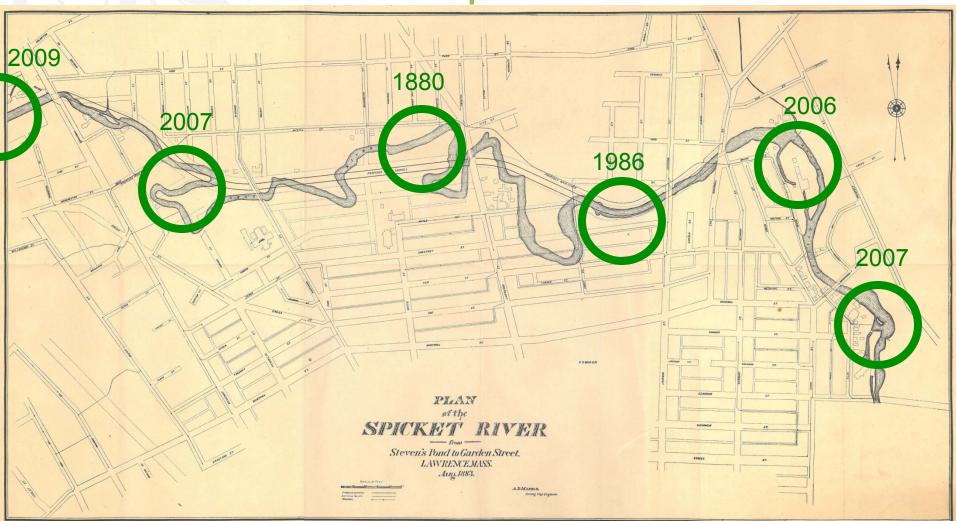
The Spicket River Greenway: A series of riverfront parks





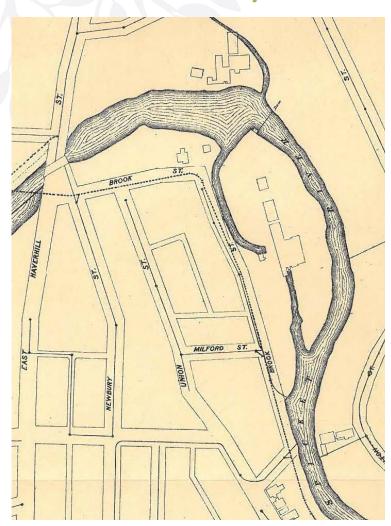
The Spicket River Greenway: A series of riverfront parks





Dr. Nina Scarito Park (2.8 acres) Former Mill / Industrial dry cleaner site









Dr. Nina Scarito Park (2.8 acres) Former Mill / Industrial dry cleaner site





Dr. Nina Scarito Park (2.8 acres) Former Mill / Industrial dry cleaner site









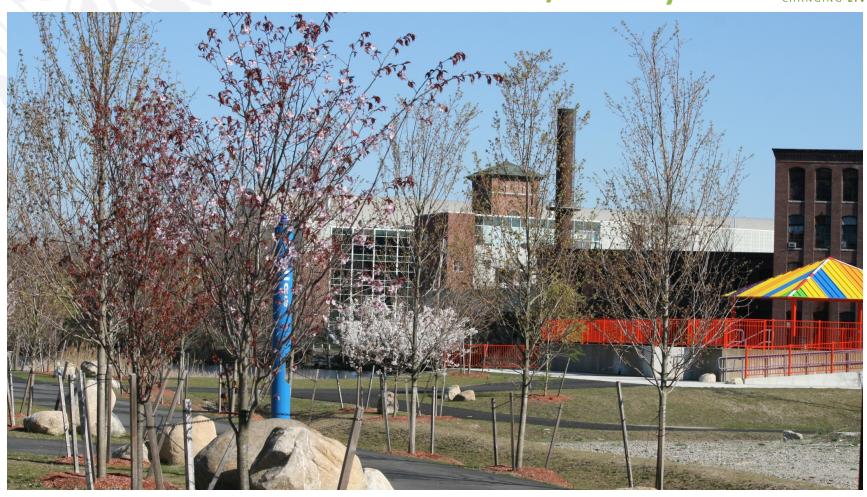










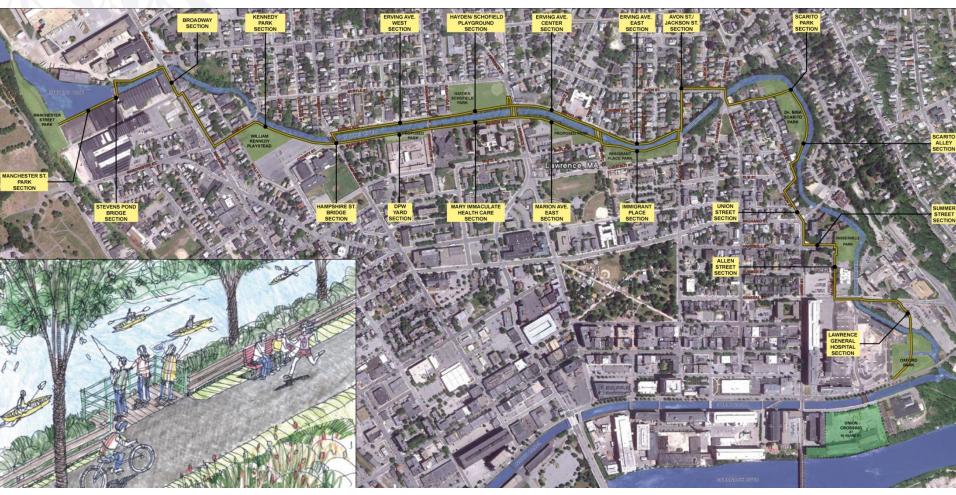






Spicket River Greenway: Connecting the Parks





Stevens Pond: Before Greenway





Stevens Pond: Before Greenway





Stevens Pond: After Greenway





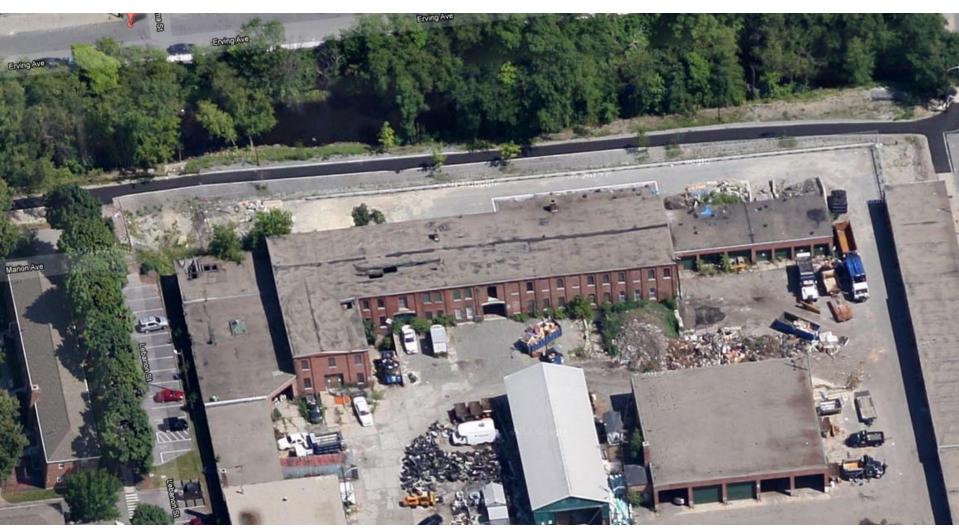
DPW Yard: Before Greenway





DPW Yard: After Greenway





DPW Yard: Before Greenway





DPW Yard: After Greenway





DPW Yard: After Greenway





Erving Avenue: Before Greenway





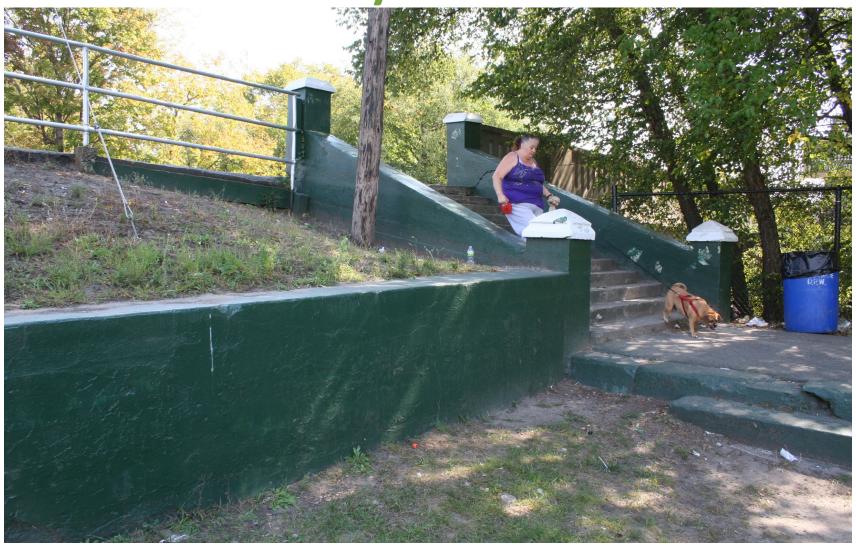
Erving Avenue: After Greenway





Hayden Schofield Playstead: Before Greenway

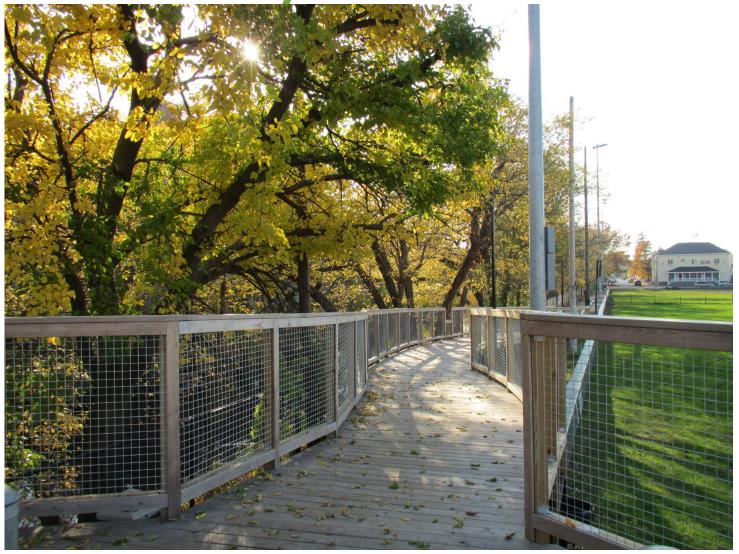




Hayden Schofield Playstead:

After Greenway





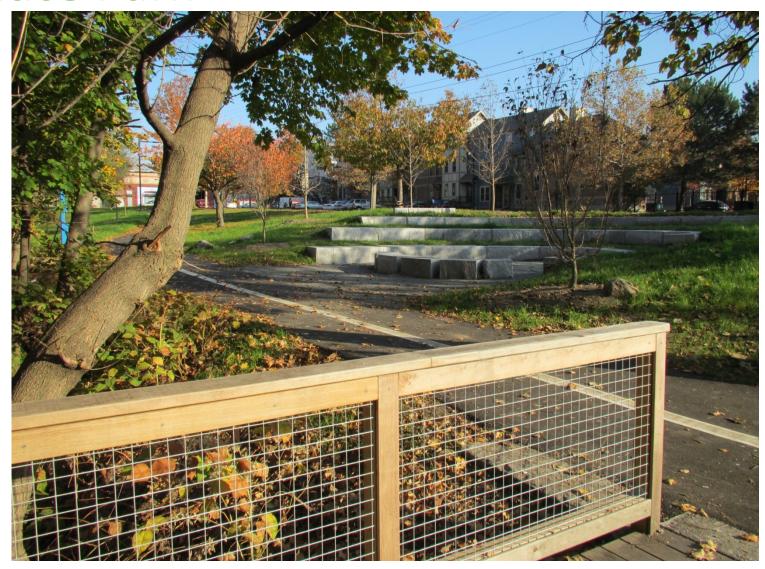
Hayden Schofield Playstead: After Greenway (Causeway)





The Greenway at Immigrant Place Park





The Greenway at Immigrant Place Park





The Greenway at Immigrant Place Park





Stewardship

The Spicket River Clean-up









StewardshipThe Spicket River Clean-up





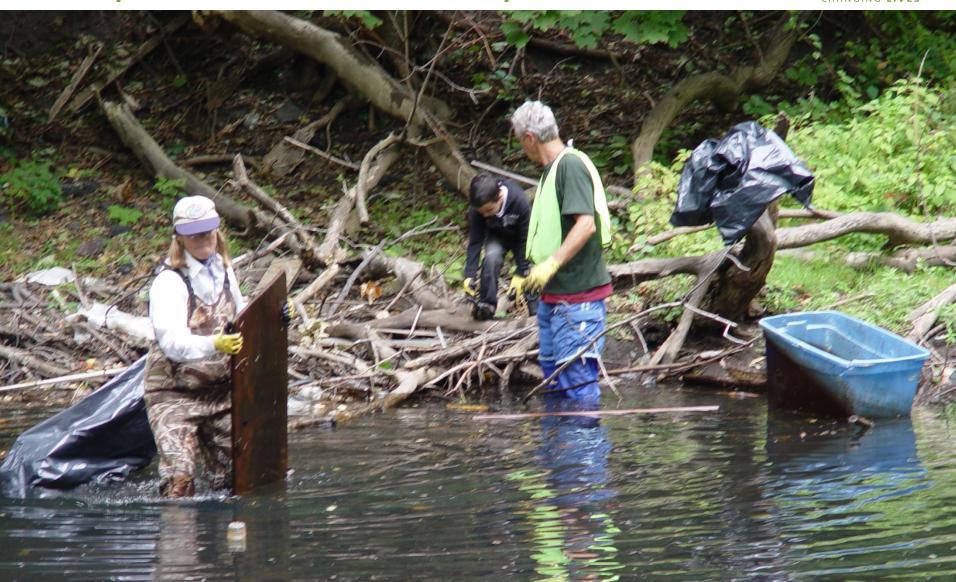
StewardshipThe Spicket River Clean-up





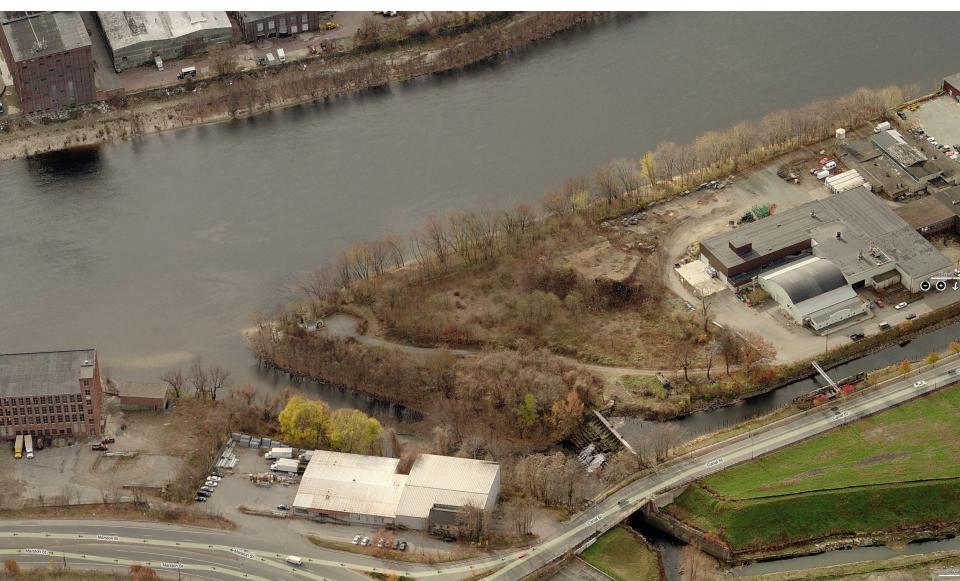
StewardshipThe Spicket River Clean-up





The Ferrous Site (5.4 acres) Confluence of the three water bodies CHANGING LIVES





Urban Environmental Education





Urban Environmental Education





Urban Ecology





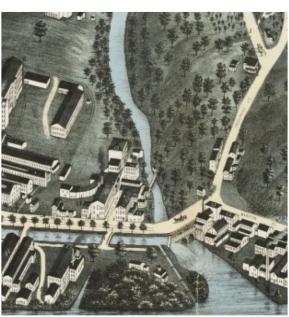


Urban Waters Heritage:Canal, Locks, Sanitation innovation, CSO

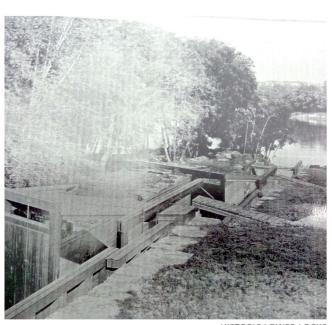








O.H. BAILEY BIRD'S EYE, LAWRENCE 1876



HISTORIC LOWER LOCK

Scenic Waterfront

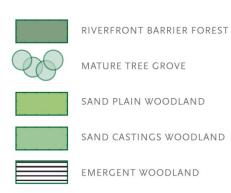




Existing conditions



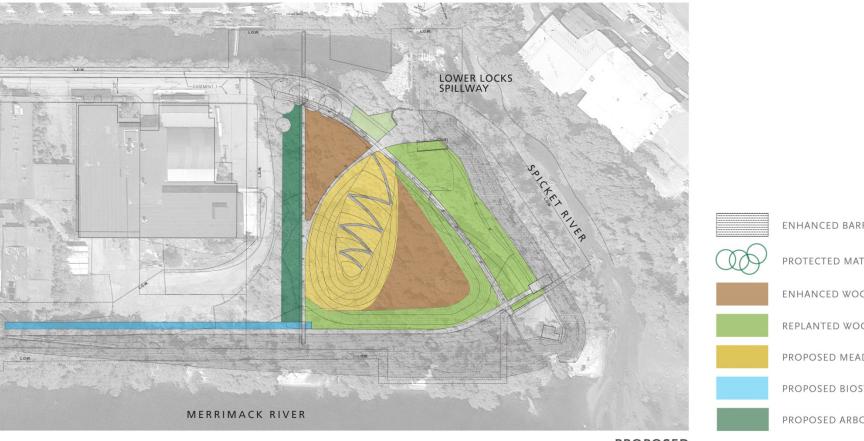




EXISTING

Vegetation strategy





ENHANCED BARRIER FOREST PROTECTED MATURE TREE GROVE ENHANCED WOODLAND REPLANTED WOODLAND PROPOSED MEADOW + FIELD PROPOSED BIOSWALE PROPOSED ARBORETUM

PROPOSED

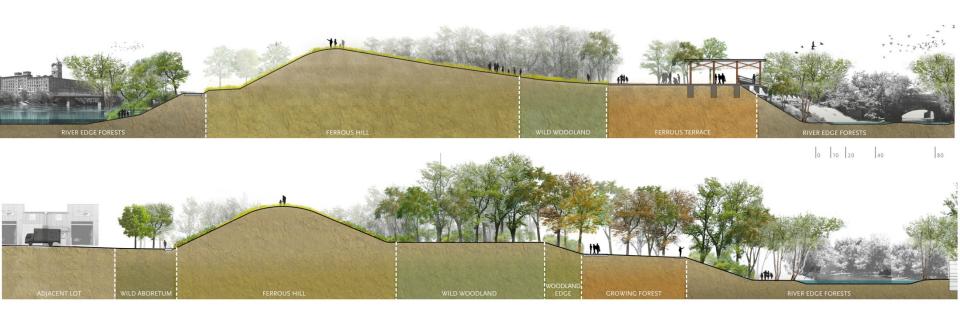
Site Plan





Cross Sections





Green Infrastructure:Swale and rain garden









Green Infrastructure:

Porous paving and bridge at rain garden









Community Engagement





Community Engagement





Brad Buschur Groundwork Lawrence



bbuschur@groundworklawrence.org (978) 974-0770



