



URBAN AGRICULTURE: INFRASTRUCTURE AND IMPACT

**RACHEL DEFFENBAUGH AND FRANK WARREN,
GATEWAY GREENING**

ELIZABETH LIMBRICK, NJIT

MICHELE CHRISTINA, BRS



Gateway Greening
The Power of Growing Food



Urban Ag and Green Infrastructure Framework in Urban Areas



739 Stokes Road, Units A & B, Medford, NJ 08055

PO Box 2293, Medford Lakes, NJ 08055

† (856) 964-6456 • f (732) 782-0404 • www.BRSinc.com

Multiple Sites Framework for Siting Urban Ag or Green Infrastructure In Urban Areas

- Contamination Known or Suspected
- Contaminated Property Policy
- Stakeholder Involvement



739 Stokes Road, Units A & B, Medford, NJ 08055

PO Box 2293, Medford Lakes, NJ 08055

† (856) 964-6456 • f (732) 782-0404 • www.BRSinc.com



**Soil Safety and Urban Gardening in
Philadelphia**

Process Report and Recommendations
to the City of Philadelphia

Philadelphia Policy: Urban Ag Decision for Tree Based on Type and How Much Contamination



739 Stokes Road, Units A & B, Medford, NJ 08055

PO Box 2293, Medford Lakes, NJ 08055

† (856) 964-6456 • f (732) 782-0404 • www.BRSinc.com



EPA: GI Decision Tree Based on Type of Contamination



739 Stokes Road, Units A & B, Medford, NJ 08055

PO Box 2293, Medford Lakes, NJ 08055

† (856) 964-6456 • f (732) 782-0404 • www.BRSinc.com

GREEN STORMWATER
INFRASTRUCTURE DECISION
TREE FOR BROWNFIELD SITES:
OVERVIEW AND
INSTRUCTIONS

SEPTEMBER 2016

NEW JERSEY INSTITUTE OF TECHNOLOGY –
TECHNICAL ASSISTANCE TO BROWNFIELDS
COMMUNITIES PROGRAM
(NJIT TAB)



NJIT TAB: GI
Decision Tree using a
Conceptual Site
Model, Cost Benefit
Analysis, and Risk
Benefit Analysis



739 Stokes Road, Units A & B, Medford, NJ 08055

PO Box 2293, Medford Lakes, NJ 08055

† (856) 964-6456 • f (732) 782-0404 • www.BRSinc.com

Resources

- Philadelphia Food Policy Advisory Council: Soil Safety and Urban Gardening in Philadelphia
<https://phillyfpac.files.wordpress.com/2015/04/soil-safety-process-and-recommendations-report.pdf>
- USEPA: Implementing Stormwater Infiltration Practices at Vacant Parcels and Brownfields Sites (July 2013)
<http://www.epa.state.il.us/water/watershed/publications/implementing-stormwater-infiltration-practices.pdf>
- NJIT TAB: Green Stormwater Infrastructure Decision Tree for Brownfield Sites: Overview and Instructions (September 2016)
<http://www5.njit.edu/tab/sites/tab/files/GSI%20Tree%20Manual%20web%20version.pdf>



739 Stokes Road, Units A & B, Medford, NJ 08055

PO Box 2293, Medford Lakes, NJ 08055

† (856) 964-6456 • f (732) 782-0404 • www.BRSinc.com

Philadelphia: All About Stakeholders





Gateway Greening

The Power of Growing Food

Gateway Greening
educates and empowers
people to strengthen their
communities through
gardening and urban
agriculture.

www.GatewayGreening.org



110,000+
pounds of food
grown at the Urban Farm

130+ community
urban agriculture
classes taught per year

Gateway Greening serves
St. Louis City and
St. Louis County

Gateway Greening
was established in
1984

80%
of every dollar goes
to Gateway Greening programs



Gateway Greening

More than
75 school
gardens
empowering
13,000
students

LARGEST
urban farm
in a downtown area
in US at 2.5 acres

Gateway Greening's
Urban Farm
has served 650+
clients struggling with
homelessness with a
70% ^{employment} rate
for job training clients

2nd
largest network of
community gardens
in the US

230+
supported gardens

Urban Farm

- Getting Started
- St. Patrick Center: therapeutic job training
- Dig It STL – youth program
- CSA Program



Gateway Greening

















Planning & Design

- Public transit access
- ADA accessibility
- Outdoor learning laboratory
- Soil quality
- Public visibility



Gateway Greening



Therapeutic Job Training

- Supportive training environment
- Therapeutic Horticulture
- Hard & soft job skills



Gateway Greening



The People

- Homelessness, mental illness and/or addiction
- Daily coping skills
- Building trust and community
- Ownership of the farm



Gateway Greening





Photo Credit: Dear Hart Photography

Dig It STL

- Teens from low-income neighborhoods
- Paid work experience
- Servant leadership
- Community engagement



Gateway Greening







Frank
Warren Jr.



Gateway Greening



Rachel Deffenbaugh
rachel@gatewaygreening.org
314-588-9600 x109



Gateway Greening
The Power of Growing Food

To Partner:

Matt Schindler
mschindler@gatewaygreening.org
314-588-9600 x102