

ST. LOUIS
"Earth Day Every Day"



St. Louis Earth Day Symposium

ECO-NOMICS: ECONOMY AND ECOLOGY CONVERGE

November 11-13, 2009

GATEWAY ONE BUILDING, 15TH FLOOR CONFERENCE ROOM
701 MARKET STREET, ST. LOUIS, MO

Wednesday, November 11:	Reception with Warren Byrd, <i>Landscape Architect and designer of Citygarden</i>
5:00 - 7:30 PM	Hor d'oeuvres and drinks overlooking the city
6:30 PM	Citygarden <i>Warren T. Byrd, Jr., FASLA, Principal, Nelson Byrd Woltz Landscape Architects</i>
7:00 PM	Citygarden Tour



Environmental Protection Agency Region 7 through the Missouri Department of Natural Resources has provided partial funding for this project under Section 604(b) of the Clean Water Act. MoDNR Subgrant G09-WQM-01

To register, go to <http://www.stlouisearthday.org>
and click on **Earth Day Symposium**

Enjoy a unique opportunity to experience Citygarden through the eyes of its designer, noted landscape architect Warren T. Byrd, Jr. Byrd will join us for the reception, share the design inspiration and process for the project and lead a tour of the garden.

Citygarden fills a critical space in the life and the design of St. Louis. The New York Times noted that in the progress to revitalize the City, "the most original - and conspicuous - step in the campaign is Citygarden." In its 2.9 acres in the Gateway Mall, Citygarden invites not just the eye but offers a range of sensory experiences. Among its many features, Citygarden holds 24 works of art, a "spray plaza," a restaurant with a notable local chef, and a limestone wall set against the other park elements recalling the relationship between the Mississippi River and bluffs. The park's permeable borders invite visitors to enter the space and enjoy.

Not so obvious are the design elements that make the site function. The majority of plant material is native to Missouri, reducing maintenance needs and creating a crucial building block for the native ecosystem. Soils were engineered to enhance the survival of the trees, which struggle in tough urban conditions, and to support the stormwater system. The rain gardens not only serve their purpose - to help filter and reduce stormwater leaving the site - but are also a visible design element of Citygarden's river theme.



Citygarden, St. Louis

The philosophy of Nelson Byrd Woltz "centers on design that honors and reveals the local history and natural context of a site through a process of observation, creative interpretation, and construction." The firm's diverse portfolio includes

work ranging from the Flight 93 National Memorial to private residences to the Nike European Headquarters in Hilversum, The Netherlands.

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Thursday, November 12: Conference Agenda

MISSOURI BOTANICAL GARDEN, RIDGWAY CENTER
4411 SHAW BLVD. ST. LOUIS, MO

Green infrastructure solutions play an important role in place making for our communities, particularly in new and revitalized public spaces. The conference gives communities the opportunity to learn first-hand about recent experiences in local projects, the reality of the bottom line, the benefits they provide and the challenges they present to local governments, developers, consultants and the local communities where they are built.

8:00 Registration and Continental Breakfast

8:30 Welcome

Tracy Boaz, Board President, St. Louis Earth Day

8:40 Introduction

Frank Kartmann, President, Missouri American Water

9:00 Introductory Keynote

Peter H. Raven, President, Missouri Botanical Garden

9:40 Keynote - Creating Sustainable Places

Warren T. Byrd, Jr., Principal, Nelson Byrd Woltz Landscape Architects

10:30 Break

**10:50 How Green Infrastructure Can Thrive in the Current Environment:
Crafting Regulations that Encourage Innovation**

- **William K. Berthold**, P.E., President, Frontenac Engineering
- **John Grimm**, P.E., Principal Engineer, Metropolitan St. Louis Sewer District
- **Don Roe**, Acting Director Planning and Urban Design Agency, City of St. Louis
- **Ryan Savage**, Project Engineer, Holland Construction

Moderator: David Wilson, Environment & Community Planning, East-West Gateway Council of Governments

12:00 Lunch - Beaumont Room

1:30 Eco-Recovery: Place Making with Green Infrastructure

- **Kurt Culbertson**, Principal, Design Workshop, Aspen, CO
- **Mark Felton**, Project Manager, URS Corporation, St. Louis, MO
- **Kim Hibbs**, President, Hibbs Homes

Moderator: Martin Toma, Director, Department of County Services and Code Enforcement

2:40 Break

3:00 Tackling the Challenges of Stream Dynamics

- **Jeff Smith**, P.E., Engineer, Metropolitan Saint Louis Sewer District
- **Thomas J. Casey**, P.E., Senior Project Engineer, SCI Engineering
- **Michele Gremminger**, Stormwater Management Coordinator, City of O'Fallon, MO

Moderator: Scott Harding, Vice President and Director of Natural Resource Services, SCI Engineering

4:00 Low Impact Development Cost/Benefit: Economics and the Environment

- **Bob Newport**, Water Division, U.S. Environmental Protection Agency, Region V
 - **Kerry Herndon**, Sustainable Infrastructure Coordinator, EPA Region 7
- Moderator: Tracy Boaz, AICP, Community Planner, Missouri Department of Conservation*

*** PDH credits from ASCE and ASLA are available***

***CM Credits from APA are in process ***

Friday, November 13: Technical Workshop

ST. LOUIS ENGINEERS CLUB, 4359 LINDELL BOULEVARD, ST. LOUIS, MO

You Called It Green - Is It Really Working?

Green Infrastructure Engineering and Landscape Design Issues

Local government officials and staff, landscape architects, engineers and the construction community are grappling with design and maintenance issues for a suite of new green infrastructure techniques. Building on the range of issues discussed in the conference, this workshop delves in-depth into planting soils, technologies, technical installation issues and site design with an emphasis on the short and long-term costs and benefits.

8:00 Registration and Continental Breakfast

8:30 Welcome

D. Anne Lewis, ASLA, Principal, Lewisites, President, American Society of Landscape Architects St. Louis Chapter

8:45 Installation Issues for Stormwater Best Management Practices

Jay Hoskins, P.E., Civil Engineer, Metropolitan St. Louis Sewer District

9:15 Maintenance and Design Concerns for Local Governments

Paul Wojciechowski, AICP, P.E., Senior Client Manager, CH2M Hill, Former Clayton Public Works Director

9:45 Key Limiting Factors and Solutions for Urban Trees and Shrubs

Mark Gruber, Urban Forester, Missouri Department of Conservation

10:15 Break

10:30 Critical Issues and Implications with Site Design and Soil Specifications

Jeffery L Bruce, FASLA, President, Jeffrey L. Bruce & Company

11:00 Soil Mixes, Structural Soils, Silva Cells, Planting Trenches - What Works?

Jason Grabosky, Associate Professor of Ecology, Evolution and Natural Resources, Rutgers University

11:30 Lunch

12:00 Luncheon Presentation: Panel Discussion

12:45 Concluding Remarks

D. Anne Lewis, ASLA

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