



Credit: USDA NRCS Soil Health



The Connecticut Chapter of the American Society of Landscape Architects presents

# Understanding Soils: The Foundation for Success

A Continuing Education Program for Landscape Architects, Architects, Engineers, Developers, Construction Managers... and Anyone Involved in the Built Environment

**Date:** Thursday, August 7, 2014, 8:00 a.m. - 2:30 p.m.

**Location:** Naugatuck Valley Community College / Playbox Theater (Fine Arts Center)

**Address:** 750 Chase Parkway, Waterbury CT (Directions and campus map with parking areas: [www.nv.edu/About-NVCC/Maps-Directions](http://www.nv.edu/About-NVCC/Maps-Directions))



Program registered with LA CES for 5.0 PDH HSW and with AIA-CES for 5.0 LU/HSW

Note: Persons who miss a portion of the training (i.e., arrive late/leave early) will NOT be issued a Certificate of Completion.

Cost: \$100 Members of ASLA / AIA / CNLA / ACEC / CSCE  
\$145 Non-members / \$35 Full-time Students (with ID)

REGISTER ONLINE at [www.bit.ly/SoilsAug7](http://www.bit.ly/SoilsAug7) OR complete the form below and mail back with payment by August 4.

Questions? Interested in exhibiting or sponsoring? Contact Jeff Mills at [executivedirector@ctasla.org](mailto:executivedirector@ctasla.org) or (860) 454-8922.

**LUNCH SPONSOR:**

[www.readcustomsoils.com](http://www.readcustomsoils.com)



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See the following pages for course descriptions and bios of our speakers.

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**REGISTRATION FORM**

To register online with your credit card, go to [www.bit.ly/SoilsAug7](http://www.bit.ly/SoilsAug7). Or complete this form and return with your check (payable to "CTASLA") and mail to:

CTASLA  
c/o J.M. Communications  
35-31 Talcottville Road, Ste. 318  
Vernon, CT 06066

**Deadline:** August 4 (no refunds after August 1st).

Name: \_\_\_\_\_

ASLA / AIA Member Number (not license number), if applicable: \_\_\_\_\_

Company/Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

\_\_\_ Member(s) attending @ \$100 each = \$ \_\_\_\_\_ total

\_\_\_ Non-Member(s) attending @ \$145 each = \$ \_\_\_\_\_ total

\_\_\_ Student(s) attending @ \$35 each = \$ \_\_\_\_\_ total



## **Schedule:**

**8:00-8:30 Registration / Continental Breakfast / Exhibitors**

**8:30-9:30 The Role of Soil Testing in Landscape Construction** – Presenter: Greg Bugbee, CT Agriculture Experiment Station

*Establishing a healthy landscape requires proper soil selection and incorporation of the proper amendments. Soil tests are important but proper sampling, test selection and report interpretation is critical. This module will provide insights into the types of soil tests available, their strengths and weaknesses, and how they can be better utilized in landscape construction.*

**9:30-10:30 Soils for State-of-the-Art Landscapes** – Presenter: John Swallow, PhD, Pine & Swallow Environmental

*Dr. Swallow will survey several complex projects and the soils design underlying their horticultural success. Principles of manufactured soils will be discussed as well as factors affecting performance and function.*

**10:30-10:45 Coffee / Exhibitors**

**10:45-11:15 Delivering the Goods: Best Practices for Blending Soils** – Presenter: Terry Driscoll, Read Custom Soils

*This module will discuss what is involved in blending soils that meet today's specifications.*

**11:15-12:15 Successful Design and Preservation Measures through an Understanding of a Tree's Root Zone** – Presenters: Allan Fenner and Chris Cowles, Davey Resource Group

*Using real project images, this module will explore several topics, including: five simple steps for a systematic approach to tree preservation not taught in design curriculum; the role of the Critical Root Zone in planning for tree preservation; how to budget for tree preservation; innovative techniques that are design driven; stress reduction measures; important steps to take after design and before construction; and discussions to have with your construction management team.*

**12:15-1:00 Lunch / Exhibitors**

**1:00-2:30 The Reality of Blended Soils During Construction** – Presenter: Annette Wilkus, FASLA, SiteWorks

*The trend toward blended soils in the northeast is expanding, with more complex landscape systems being designed. The design process of creating and blending soils is beginning to require extensive testing and implementation. Ms Wilkus has been involved with the construction of projects with blended soils for the past 10 years and will share her experiences, from educating the design team what the specifications mean to educating the contractor how to install them. Based on these experiences she will suggest ways to simplify the process without compromising your design.*

## **About Our Speakers:**



**Greg Bugbee** is the scientist in charge of the soil testing laboratory at the Connecticut Agricultural Experiment Station in New Haven. The laboratory specializes in soil fertility analyses with emphasis on plant nutrition, but also helps landscape architects and others determine if soil conforms to wide ranging physical specifications. With over three decades of experience Greg has supervised over 100,000 soil tests and been asked to solve some of the State's most perplexing soil problems. He has numerous publications in the scientific and popular literature and routinely serves on State and local committees seeking expertise in fertilizer usage and associated pollution prevention.



**John Swallow** is a Principal and founder of Pine & Swallow Environmental (P&S). Dr. Swallow holds a Ph.D. in Organic Chemistry from MIT. His professional soils and horticulture practice spans four decades and has emphasized soil chemistry, analysis of environmental conditions for plant growth, site rehabilitation, and urban tree planting techniques. For 19 years he owned and operated a commercial nursery. Dr. Swallow has presented talks on soils at several ASLA Annual Meetings and lectures at the Harvard Graduate School of Design. He has served on the Sustainable Sites Initiative (SITES) Technical Core and Soils Committees for many years. Recent projects include the New York Botanical Gardens, Governors Island, Four Freedoms Park, Brooklyn Bridge Park, and The High Line in NYC.



**Terry Driscoll**, Vice President of Sales for Read Custom Soils, is a graduate of Stonehill College in Easton Ma. He has been supplying soils to projects throughout New England for over 30 years with an emphasis on engineered soils the last 15 years. His company's product list includes engineered planting soils, ballfield clays and rootzones, topdressing sands and divot mixes, bio retention and rain garden soils, structural planting soils, and lite weight roof garden soils.



**Allan Fenner** is a Davey Resource Group senior consulting urban forester and arborist, and is responsible for assisting universities, governments, businesses, land developers, designers, and engineers with tree preservation planning for construction; tree risk assessments; tree appraisals/forensics; storm damage assessments; urban forestry and landscape master plans; preparation of ordinances and preservation specifications; and expert witness testimony. Mr. Fenner is a member of the Board of Directors for the Connecticut Tree Protective Association.



**Chris Cowles** is a Davey Resource Group senior consulting urban forester, responsible for preparation of tree preservation, transplanting, and restoration plans for design, construction, and renovation projects. For more than three decades, Mr. Cowles has successfully completed hundreds of challenging projects for a variety of clients nationwide, including federal agencies, local governments, community organizations, and private-sector interests. He has given hundreds of lunch-and-learns for design firms and agencies across the Mid-Atlantic and initiated the "First Annual National Capital Root Appreciation Day" in 1992.



**Annette P. Wilkus, FASLA, PLA, LEED® AP**, Founding Principal of SiteWorks Landscape Architecture, is a registered Landscape Architect with over 30 years of experience in design, construction documentation and construction management. She graduated from the University of Wisconsin-Madison with a BSLA, the University of Pennsylvania with a MLA, and holds a certificate in Construction Management from New York University. Ms. Wilkus started SiteWorks after recognizing the need for a knowledge base that encompasses site implementation expertise on construction sites. She was an integral part of the construction management team for the High Line and is currently working on Governors Island Park and Public Space. Ms. Wilkus is VP of Professional Practice for ASLA.