

Agenda

Presented by Ginny Snead, P.E.

Selecting Stormwater Best Management Practices

- Site topography, hydrology and soils
- System sizing and design
- System performance
- Selection criteria

Reducing Site Disturbance and Increasing Natural Landscaping

- Benefits of natural landscaping
- Choosing native species for plantings
- Cost considerations and maintenance

Permeable Pavers

- Site criteria and product selection
- Preparation and installation
- Cost considerations and maintenance

Vegetated Roofs

- Benefits and life cycle cost
- Extensive roofs
- Intensive roofs
- Maintenance

Rain Barrels, Cisterns and Rain Gardens

- Stormwater collection
- Water storage
- Reuse
- Garden sizing and design
- Cost considerations

Filter Strips and Drainage Swales

- Benefits and design considerations
- Choosing appropriate vegetation
- Cost considerations and maintenance

Detention Basins and Ponds

- Benefits and site selection
- Sizing and design
- Choosing native vegetation
- Maintenance considerations

Stormwater Best Management Case Studies

Stormwater Best Management Practices in Virginia

Live, Interactive Webinar - Fri., December 11, 2020



HalfMoon Education Inc.
PO Box 278
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Learning Objectives

You'll be able to:

Select stormwater best management practices for construction projects in Virginia.

Consider Virginia topography, hydrology and soils.

Describe the benefits of reducing site disturbance during construction, as well as the benefits of natural landscaping.

Explore applications for rain barrels, cisterns, rain gardens, filter strips and drainage swales.

Review criteria for sizing and designing detention basins and ponds.

Discuss stormwater best management practice case studies in Virginia.



HalfMoon Education Online Learning Stormwater Best Management Practices in Virginia

Live, Interactive Webinar - Friday, December 11, 2020



Select stormwater best management practices for Virginia construction projects

Consider topography, hydrology and soils

Reduce site disturbance and use natural landscaping

Explore applications for vegetated roofs, permeable pavers, and drainage swales

Explore rain barrels, cisterns and rain gardens

Discuss sizing and design criteria for detention basins and ponds

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW CE Hours

AIA

7.0 LU|HSW

Landscape Architects

7.0 HSW CE Hours

LA CES

7.0 HSW PDHs

Floodplain Managers

7.0 ASFPM CECs



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Faculty

Ginny Snead, P.E. Associate at A. Morton Thomas and Associates, Inc. (AMT), Williamsburg, VA
 Ms. Snead is a water resources engineer with more than 25 years of consulting and state government experience, specializing in water planning, engineering and policy in Virginia and in the Chesapeake Bay watershed. Her municipal experience includes stormwater master planning, BMP and retrofit design, inspection oversight, plan review and programmatic planning and reporting services. Her prior experience includes directing the Office of Stormwater at the Virginia DEQ and managing the Office of Regulatory Programs at the Virginia DCR which governed both the NPDES (MS4, Construction General Permit) for stormwater and the TMDL implementation plan programs, and which included the Virginia Erosion and Sediment Control Program, the Virginia Stormwater Management Program (and Virginia Stormwater BMP Clearinghouse), the Chesapeake Bay Preservation Act Program and Nutrient Management. Ms. Snead led the state team negotiating Virginia's 2013 MS4 NPDES permits with U.S. EPA Region III which still serve as the basis for MS4 permits in the Commonwealth. She has served as the project manager and technical lead on projects including stream restoration, outfall stabilization and BMP retrofits as well as on MS4 compliance projects. She currently serves as a member of the Chesapeake Bay Urban Stormwater Workgroup, closely following and commenting on the changes in stormwater BMP crediting in the Bay. She also serves on the committee developing protocols for manufactured treatment devices, to encourage innovation in MS4 TMDL compliance options. Ms. Snead is the current board chair for the Alliance for the Chesapeake Bay, a non-profit focused on improving the health of the Bay, and she serves as a member of the Commonwealth of Virginia Chesapeake Bay Stakeholder Advisory Panel.

Webinar Information

Log into Webinar 8:00 - 8:30 am EST	Break 12:30 - 1:30 pm EST
Morning Session 8:30 am - 12:30 pm EST	Afternoon Session 1:30 - 5:00 pm EST

Tuition

\$299 for individual registration
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Additional Learning

GNSS Surveying: Principles and Practices

- Wed., December 2, 2020 | 9:30 am - 5:00 pm CST

Boundaries and Easements

- Wed., December 2, 2020 | 11:00 am - 2:30 pm CST

- Thurs., December 3, 2020 | 11:00 am - 2:30 pm CST

Pruniversity:

Plant Health Through Pruning

- Thurs., December 3, 2020 | 9:00 am - 5:00 pm CST

2018 International Existing Building Code:

Work Area Compliance Method

- Fri., December 4, 2020 | 10:00 am - 2:30 pm CST

Structural Forensic Engineering

- Fri., December 4, 2020 | 7:30 am - 3:30 pm CST

AIA Contract Document Workshop

- Mon., December 7, 2020 | 9:00 am - 5:00 pm CST

IBC International Building Code 2021

- Mon., December 7, 2020 | 8:30 am - 4:20 pm CST

Stormwater Basins

and Underground Systems

- Tues., December 8, 2020 | 9:00 am - 4:30 pm CST

Soil Mechanics and Slope Stabilization, Failures and Repairs

- Tues., December 8, 2020 | 10:00 am - 1:45 pm CST

- Wed., December 9, 2020 | 10:00 am - 2:15 pm CST

SketchUp for Building Professionals

- Tues., December 8, 2020 | 11:00 am - 2:45 pm CST

- Wed., December 9, 2020 | 11:00 am - 2:45 pm CST

Construction Cost Estimating

- Wed., December 9, 2020 | 8:30 am - 3:50 pm CST

Technical Writing Workshop for Engineers

- Wed., December 9, 2020 | 8:30 am - 5:00 pm CST

Drones in Construction

- Fri., December 11, 2020 | 10:00 am - 4:50 pm CST

For more information and other online learning opportunities visit:
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This webinar offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in all states. It offers 7.0 HSW continuing education hours to landscape architects in all states, excluding Florida, New Jersey, and North Carolina.

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This course has been approved by the American Institute of Architects Continuing Education System 7.0 LU|HSW (Sponsor No. J885) and the Landscape Architect Continuing Education System for 7.0 HSW PDHs. Only full participation is reportable to the AIA/CES and LA CES.

The Association of State Floodplain Managers has approved this event for 7.0 CECs for certified floodplain managers.

Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

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How to Register	
Online: www.halfmoonseminars.org	
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