

Soil Morphology Class

Reading the Soil's Clues to Determine Water Table Depth and the Proper Design of Stormwater BMPs

June 2nd and 3rd: Reston, Virginia

The design of stormwater infiltration BMPs—rain gardens, infiltration trenches and porous paving—depends on knowledge of the depth to the water table. This depth can be estimated by interpreting clues provided by soil morphology: the visible traits and conditions of the soil. In this technical class, experts from Virginia Tech and local government will describe the genesis, variability and morphology of Northern Virginia soils; how observable traits can be used to determine the presence of the water table; and how this effects BMP design. Professional Engineers with geotechnical experience who pass the concluding test to are certified to determine water table heights year round in Fairfax and Loudoun Counties. Non-certified engineers must wait for certain seasons or exceptionally wet periods. Continuing education credits will be provided. Registration includes lunch and refreshments

Class Schedule

Thursday, June 2nd

Classroom Instruction

8:30—9:00	Registration & Introduction
9:00— 10:00	Genesis and Characteristics of Northern Virginia Soil
10:00—11:00	Soil Morphology and Topographic Relationships
11:15—12:00	Soil Redox: Processes & Features
12:00—12:45	Lunch and Q&A
12:45—1:45	Estimating Depth to the Water Table Using Soil Morphology
1:45—2:15	BMP Design Considerations
2:15— 4:30	Adjourn to local pit site to practice interpretation skills

Friday, June 3rd

Guided Field Tour of Reston Soil Pits

8:00— 12:00	Field Pit Sites
12:00—1:00	Lunch
1:00—3:00	Field Pit Sites
3:00—5:30	Certification Test



Questions? Contact Dan Schwartz of the Conservation District Dan.Schwartz@Fairfaxcounty.gov, (703)-324-1422

Registration Form

2016 Soil Morphology Class

June 2nd and 3rd, 2016

Reston Association Offices, 12001 Sunrise Valley Drive, Reston, VA 20191

Cost: \$125 by May 20th; \$150 after

Name: _____
Company: _____
Address: _____ _____
City, State & Zip: _____
Phone - Work: _____ Cell: _____
Email: _____

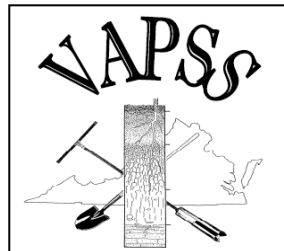
Contact Jeff Miller—Vapss@vapss.org, (540) 382-0943 for registration questions.

Payment must be made prior to the meeting to assure seating and lunch availability.

No cancellations/refunds after May 23. Cancellations are subject to a \$25 processing fee.

Make checks payable to VAPSS (Virginia Association of Professional Soil Scientists) or pay via PayPal on the [VAPSS website](http://www.vapss.org) and mail registration form to:

Jeff Miller, VAPSS
383 Coal Hollow Road
Christiansburg, VA 24073



Interested in more information or joining the Virginia Association of Professional Soil Scientists? Go to: www.vapss.org