

MAY 19th & 20th, RESTON, VA

# 2022 SOIL MORPHOLOGY CLASS:

## SCHEDULE

### Thursday, May 19th

9:00– 9:30: Registration and coffee

9:30 – 12:30: Overview of Soil Genesis, Variability, Morphology and Redox Processes

12:00 – 12:45: Lunch, Informal Q&A, and Networking

12:45 – 2:15: Soil Morphology, Water Table Determination, and BMP Designs

2:15 – 5:00: Group Trip to Local Soils Pit

### Friday, May 20th

8:00 – 8:15: Convene in Reston

8:15 – 12:00: Guided Tour of Reston Soil pits

12:00 – 1:00pm: Lunch

1:00 – 3:00: Guided Tour of Reston Soil Pits

3:00 – 5:00: Certification Test for Geotech PEs

Reading the soil's clues to determine water table depth & the proper design of stormwater BMPs

**Proper design of stormwater infiltration BMPs -raingardens, infiltration trenches, porous paving, etc. - depends on the depth to the water table, which can be estimated by interpreting soil morphology: the observable traits of the soil. In this technical class, regional experts will describe the genesis and morphology of local soils; how observable conditions can be used to determine water table presence; and how this affects BMP design. Participants will then hone their new interpretive skills at multiple soil pits throughout Reston. Professional Engineers with geotechnical experience who pass the final exam are certified to determine water table depths for BMP design year-round in Fairfax and Loudoun Counties. Registration includes lunch and refreshments.**

**A relevant class for all involved or interested in soils, stormwater, and BMP design.**

Register at <https://vapss.org>

