

# **Training Workshop for Soil Evaluators**

## **Review/Update**

### **Soil Science and Geology for Soil Evaluators**

**Presented by:**

**Peter C. Fletcher, Certified Professional Soil Scientist (02703),  
Soil Evaluator (SE3027) and Title 5 System Inspector (SI2975)**

#### **Workshop Description**

This is an 8 hour combination lecture plus hands-on exercise and field workshop. The workshop is **designed for professionals who are Soil Evaluators with field experience. Qualified professionals completing this workshop will receive a certificate for 4 CEUs.**

The focus of the course is a review and update of soil science and geology as it relates to describing, documenting, and interpreting soil conditions within deep observation holes and completing the RI Department of Environmental Management Site Evaluation Form. This workshop is presented as a series of lectures and PowerPoint presentations. There will be hands-on exercises using reference materials and soil samples. Time permitting, this will be followed by a field trip to local sites.

#### **Lecture and Hands-on Exercises**

**Date:** Saturday, November 14, 2015  
**Location:** Scituate Survey, Inc., 410 Tiogue Avenue, Coventry, RI.  
**Time:** 8:00 AM to 4:00 PM

**Contact Person:** Kerri Rice at (401) 821-8101

#### **Review and Update of Geology and Soil Science:**

- Researching reference materials on the Internet
- Glacial geology of Southern New England
- Common landscapes and landforms found within RI
- Effects of soil formation within Southern New England
- Logging a soil profile description
- Identifying and interpreting soil horizons and layers
- Field methodology for determining soil texture
- Documenting soil colors
- Understanding the different groundwater systems common to New England
- Estimating the depth to seasonal high water table using soil features (redoximorphic features)
- Field methodology for determining soil consistence (firm, very firm, extremely firm) and soil structure

**Hands-on exercises will include:** identifying different geologic sediments (parent material) using field samples, determining the soil texture using field techniques, interpreting contours on USGS topographic maps to identify different landforms, etc.

**Field Sites:** Time permitting, participants will drive to designated field sites to study landforms and investigate/evaluate site conditions for on-site sewage disposal.

**Course Materials:** Each participant will receive handouts and a field guide.

**Refreshments:** Snacks and drinks will be provided.

**Field Conditions:** The field exercises for this workshop are strenuous and require participants to traverse rough terrain, walk long distances, and dig test holes using shovels and augers. Each participant needs to evaluate their own health and physical conditioning before registering for this workshop.

**Attendance:** All participants are required to be present at all times during the workshop. Attendance will be taken at the start and close of the workshop.

**Limited Enrollment:** To allow for small group instruction/discussion, enrollment for this workshop is limited to 20 participants.

**Certificate of Completion:** A Certificate will be awarded to each participant who successfully completes the workshop specifying the completion of 4 Continuing Education Units.

**Liability Form  
Release of Liability Agreement (ROL)**

For Peter C. Fletcher training, workshop, courses, and etc.

In consideration of being allowed participation, I agree, on behalf of myself, my assigns, executors, and heirs, to release and indemnify and hold harmless Peter C.

Fletcher from any cause or action, claims or demands, or any nature whatsoever, including but not limited to any claims of negligence, which I, my heirs, representatives, executors, administrators, and assigns may now have, or have in the future against Peter C. Fletcher on account of personal injury, property, damage, death or accident of any kind arising out of or in any way related to my presence at or participation in any activity, event or workshop, including traveling to, training for, being instructed in or participation in any of the above named events, workshops, or activities. I understand that I am releasing Peter C. Fletcher for any and all claims for injuries or damages arising out of Peter C. Fletcher's negligence including, but not limited to the temporary or permanent muscle strain or soreness, sprains, strains, cuts, abrasions, bruises, ligament and/or cartilage damage, fractures, spinal injuries, head injuries, eye injuries, disfigurement, paralysis, internal injuries, organ damage or death. I recognize that there are other risks of injury that may occur by my participation, which are not possible to specifically list.

It is the clear intent of this release agreement that the participator is releasing Peter C. Fletcher, his trustees, officers, agents, employees or instructors from any and all liability for any personal injury or property damage caused by Peter C. Fletcher's negligence of any and all agents, employees or instructors.

I understand, have read this release and, understand its terms.

**I have read the attached Liability Form and agree with the terms stated:**

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_