

ONSITE SEWAGE PROGRAM ACCELERATED CERTIFICATION TRAINING

INTRODUCTION TO FLORIDA SOILS AND THE SITE EVALUATION PROCESS MASTER CONTRACTOR PART II

AGENDA

Day 2 – Tuesday 8:00 AM - 4:30 PM (6.75 CEUs)

- 8:00 – 8:15 Welcome, Introduction and Course Overview
- 8:15 – 10:00 **Site Evaluation Requirements** (1.75 Credit Units: R, M, and C)
- Net Usable Lot Area Determinations, Unobstructed Area Determinations
 - Establishing a Benchmark, System Setback
 - Water Table and Soil Determinations and Documentation (Site Evaluation Form and EH Database)
 - Soil Sizing Criteria
 - Ramifications of Soil Profile Refusals (Worst Case Scenarios in System Sizing)
 - Excavation and Fill Determinations
 - Frequent Flooding Determinations
 - Surface Water Boundaries (MAFL / MHWL)
- Field Exercise (Benchmark and MAFL)**
- 10:00 – 10:15 **Break**
- Introduction to Florida Soils**
- 10:15 – 11:15 **Soil Color Interpretation** (1.0 Credit Units: R, M, and C)
- Why soil color is important
 - Munsell Notation - Proper use of the Munsell Charts, Proper Coloring Technique, Low chroma colors, Gley charts, Improper use of Munsell Charts
 - Units of Hue/Value/Chroma change
 - Faint/Distinct/Prominent soil color contrast and Technical Note 2, USDA NRCS
 - Quantity of Redoximorphic Features-Few, Common, Many
- 11:15 – 12:00 **Seasonal High Water Table Indicators – Non-Hydric** (0.75 Credit Units: R, M, and C)
- Sandy/Loamy/Clayey Indicators
 - Anthropogenic Soils
 - Soil texture names
 - Spodosols/Spodic layers and seasonal high water tables
 - Things that are not indicators
- 12:00 – 1:00 **LUNCH (Provided)**
- 1:00 – 2:15 **Seasonal High Water Table Indicators – Hydric** (1.75 Credit Units: R, M, and C)
- Hydric Soil Indicators used in Florida
- 2:15 – 2:30 **Break**
- 2:30 – 3:00 **Continued Seasonal High Water Table Indicators – Hydric**
- 3:00 – 4:30 **Soil Basics** (1.5 Credit Units: R, M, and C)
- 64E-6 requirements, Definition of Soil and exclusions to definitions
 - Components of soil, Soil Particle size, Soil Textures, Soil Texture by Feel-Classroom exercise
 - Texture modifiers, Soil Structure
 - Soil Permeability and Porosity and the Effects of Compaction, Soil Horizons-Master/Transitional/Subscripts/Conversion of older horizons to new analog
 - Examples of horizonation in Florida soils

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Day 3 – Wednesday 8:00 AM- 5:00 PM (6 CEUs)

- 8:00 – 10:00 **Review and Field Soil Exercise**** (2.0 Credit Units: R, M, and C)
- Soil Investigations
- 10:00 – 10:15 **BREAK**
- 10:15 – 12:00 **Continued Field Exercise** (1.75 Credit Units: R, M, and C)
- 12:00 – 1:00 **LUNCH (Provided)**
- 1:00 – 1:45 **Soil Survey Information** (0.75 Credit Units: R, M, and C)
- Web Soil Survey
 - Use of Legacy documents (Published soil surveys)
 - Proper use of soil surveys: Detailed map units versus classification of soils sections
 - The U.S. Public Land Survey
 - The Soils Survey Text
 - Soil Survey Tables
- 1:45 – 2:45 **Soil Profile Documentation** (1.00 Credit Units: R, M, and C)
- Web Soil Survey
 - Use of Legacy documents (Published soil surveys)
 - Proper use of soil surveys: Detailed map units versus classification of soils sections
 - The U.S. Public Land Survey
 - The Soils Survey Text
 - Soil Survey Tables
- 2:45 – 3:00 **BREAK**
- 3:00 – 3:30 **Review and Questions** (0.5 Credit Units: R, M, and C)
- 3:40 – 5:00 **EXAMINATIONS – Intro To Florida Soils And The Site Evaluation Process / Master Contractor Part II**
- Introduction to Florida Soils and The Site Evaluation Process / Master Contractor Part II Certification Examination will consist of 50 questions, both multiple choice and true/false. You are allowed one hour and twenty minutes to complete the exam. Examinations will be graded as completed by the student, and 70% is the minimum passing score. Those students who do not pass the exam will be given the opportunity to review their examinations. A second examination will be given after the review period. A participant who does not achieve a minimum score of 70% on the second test will be required to take the course over, as will any participant who does not take the second test on the same day. Please note examination time does not qualify for CEUs.

**Please be prepared for fieldwork on both days. Bring insect repellent, Munsell color book, bucket auger, sharpshooter-type shovel, water bottles and clipboard.