**Learning Objectives**

**Soils in Construction**

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**Soil Investigation and Classification**
- Importance of recognizing soil properties
- Formation of soils
- Types of soils

**Soil investigation**
- Site reconnaissance
- Geology and visual observations
- Drilling and boring
- Test pits
- Establishing appropriate investigational methods
- Obtaining and reviewing geotechnical reports

**Soil investigation and classification**

**Review** hydraulic and mechanical properties of soils that affect their suitability for construction.

**Comply** with building code provisions on building site soils.

**Calculate** the bearing capacity of foundations, and learn about how to increase it.

**Improve** the stability of natural and engineered construction site slopes.

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**Agenda**

**Presented by David Harmanos, P.E.**

**Soils in Construction**
Manchester, NH - Wednesday, May 13, 2020

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**Continuing Education Credits**

**Architects**
- 7.0 HSW Contact Hours
- 7.0 AIA LU/HSW

**Landscape Architects**
- 7.0 HSW Contact Hours
- 7.0 LA/CES HSW PDHs

**Professional Engineers**
- 7.0 PDHs
- International Code Council
- 0.7 CEUs (Building)

**Contractors**
- Non-Credit Education

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**Soils in Construction**

Understand soil investigation and classification

Review hydraulic and mechanical properties of soils

Comply with building code provisions on soils

Determine and increase bearing capacity

Understand slope stability and learn stabilization methods

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**Learning Objectives**

**You’ll be able to:**

**Describe** the importance of classifying soils on a project site.

**Define** the process of soil investigation, and discuss the benefits of drilling, boring and test pits.

**Explore** the hydraulic and mechanical properties of soils that affect their suitability for construction.

**Comply** with building code provisions on construction site soils.

**Calculate** the bearing capacity of foundations, and learn about how to increase it.

**Improve** the stability of natural and engineered construction site slopes.
Additional Learning

### Webinar Series

**Structural Forensic Engineering**

- **Overview of the Role of Forensic Engineering**
  - Thurs., April 16, 2020, 11:00 - 12:30 PM CDT
- **Forensic Engineering Process and Forensic Engineering Report**
  - Thurs., April 16, 2020, 11:00 - 3:00 PM CDT
- **Causes of Structural Failures**
  - Fri., April 17, 2020, 11:00 - 12:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**
  - Fri., April 17, 2020, 11:00 - 3:00 PM CDT

For more information and other online learning opportunities visit: [www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

### Water Conservation

- **Reviewing the Owner’s Commitment to Water Conservation and Applicable Codes and Standards**
  - Thurs., April 23, 2020, 11:00 AM - 12:30 PM CDT
- **Assessing the Building Site**
  - Thurs., April 23, 2020, 1:00 - 2:00 PM CDT
- **Conserving and Reducing Water Use**
  - Fri., April 24, 2020, 11:00 AM - 1:00 PM CDT
- **Onsite Water Recycling and Minimizing Water Use**
  - Fri., April 24, 2020, 1:30 - 3:30 PM CDT

- **Special Inspections under the IBC Chapter 17**
  - **Special Inspections under the IBC Chapter 17, Part I**
    - Wed., April 29, 2020, 11:00 AM - 2:15 PM CDT
  - **Special Inspections under the IBC Chapter 17, Part II**
    - Thurs., April 30, 2020, 11:00 AM - 3:15 PM CDT

### Continuing Education Credit Information

This seminar is open to the public and offers 7.0 HSW contact hours to architects and landscape architects and 7.0 PDHs to professional engineers in most states, including New Hampshire architects.

Attention New Hampshire architects: Your licensing board relies on each licensee to determine and claim appropriate credit hours regarding SD and HSW classifications. See Architect Rule 403.02 (b) and (c).

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Maryland, New Jersey (Approval No. 240/00007701), North Carolina, and North Dakota. HalfMoon Education is an approved continuing education sponsor for architects in Florida and is deemed an approved sponsor for engineers, architects and landscape architects in New York.

This seminar has been approved by the American Institute of Architects Continuing Education System for 7.0 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Visit [www.halfmoonseminars.org](http://www.halfmoonseminars.org) for complete AIA/CES information under this course listing. Only full attendance is reportable to the AIA/CES and LA/CES.

The International Code Council has approved this course for 7 CEUs in the specialty area of Building (Preferred Provider No. 1232).

This course offers a non-credit continuing education opportunity to contractors. It has not been approved for continuing education credit by any state contractor licensing entity.

Attention: Attendees will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.