Agenda

Presented by Joseph W. Delaney, P.E., PgMP, CCM, LEED AP

Science of Soils
- Physical properties of soil
- Soil structure
- Subsurface structure
- Blocky structure
- Bulk densities
- Macroporosity and micropores

Stormwater Management
- State and local rule requirements
- Drainage system controls
- Sediment traps and basins
- Buffer zone requirements
- Slope stabilization
- Homebuilder lot BMP compliance
- Establish proper building materials handling and storage areas
- Establish proper equipment/vehicle fueling and maintenance practices
- Develop spill prevention and response plan

Earthwork Safety (by Design)
- What is safety by design?
- Weight of soil and excavation hazards
- Underground installations
- Water accumulation
- Protection of employees and related problems
- Soil classification and definitions

Site Plans
- What site plans must include
  - Compacting and soil testing
  - Primary soil considerations
  - Surface water, groundwater, paving and surfacing
  - Excavation specs and haul payments
  - Construction grade staking

Site Program Management
- Strategic vs. Tactical thinking
- Program governance
- Three themes of program management
- Project phases

Learning Objectives

You’ll be able to:

Identify the characteristics of soils that impact construction, including structure, density and porosity.

Implement best management practices for handling stormwater on construction sites, including sediment traps and basins, buffer zones and drainage control systems.

Adopt earthwork safety practices when working on excavations and underground installations.

Develop site plans for construction projects, including plans for soil testing, water management, grading, staking and paving.

Practical Site Engineering: Science and Techniques

Pearl, MS - Wednesday, May 20, 2020

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Practical Site Engineering:
Science and Techniques

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Understand the science of soils
Discuss state and local stormwater management requirements
Establish building material handling/storage areas
Explore site program management

Develop earthwork safety practices
Plan for grading, paving and surfacing
Study the content of site plans

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Certified Professionals in Erosion & Sediment Control
7.0 PDUs

International Code Council
.7 CEUs (Sitework)

Contractors
Non-Mandatory CE
Joseph W. Delaney, P.E., PgMP, CCM, LEED AP
Delaney CMS
Mr. Delaney is president and general manager of the construction management services group at Delaney CMS in Union Springs, New York. He is the former president of C&S Design Build Inc., C&S’s program and construction management company, where he started the agency construction management business. In his 12-year career there, he developed it into the fastest-growing and most profitable of the firm’s business units. At C&S, Mr. Delaney was responsible for more than $1 billion in completed projects in the education, municipal, wastewater, airport, and private development sectors. In his 25 years as a construction professional, he has served in many roles including those of project engineer, design coordinator, superintendent, construction manager, program manager, general manager, and president. Mr. Delaney is a licensed professional engineer, holds the program management professional (PgMP®) credential, is a certified construction manager (CCCM®), and is a Leadership in Energy and Environmental Design (LEED®) accredited professional. Mr. Delaney is the only person in the world with all of these credentials.

In addition, he is an expert critical path method scheduler and has presented both nationally and internationally on construction, project, and program management. Mr. Delaney received his bachelor’s, master’s, and PhD degrees in Civil Engineering from the State University of New York at Buffalo. He enjoys sharing his experience leading teams, and he has provided management training to senior management including his colleagues at the American Council of Engineering Companies (ACEC) Senior Executive Institute and at Fortune 500 companies, including Johnson & Johnson, Inc., and L3 Communications. Mr. Delaney was recently the keynote speaker at the Tri-State Diversity Summit where he shared Delaney CMS’s (a woman-owned business enterprise) vision for equality and empowerment. He is also a professor in the Construction Management Department at Southern Mississippi University.

Mr. Delaney has published a university textbook titled Construction Program Management by CRC Press. The textbook is used to teach undergraduate and graduate students and by practitioners to help them formulate a process-based approach for management of large projects and programs.

Seminar Information
Courtyard Jackson Airport/Pearl
415 Riverview Drive
Pearl, MS 39208
(601) 914-4888

Tuition
$299 for individual registration
$279 for three or more simultaneous registrations.

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This seminar is open to the public and offers 7.0 continuing education hours to architects and landscape architects and 7.0 PDHs to professional engineers in most states, including Mississippi. Educators and courses are not subject to preapproval in Mississippi.

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HalfMoon Education is an approved continuing education sponsor for architects in Florida. HalfMoon Education is an approved continuing education sponsor for engineers in Florida.

This course offers 7.0 PDUs to certified professionals in erosion and sediment control. Educators and courses are not subject to preapproval.

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Structural Forensic Engineering: An Overview of the Role of Forensic Engineering
Thurs., April 9, 2020, 11:00 - 12:30 PM CDT
• Forensic Engineering Process and Forensic Engineering Report
Thurs., April 9, 2020, 1:00 - 5:00 PM CDT
• Causes of Structural Failures
Fri., April 10, 2020, 11:00 - 12:30 PM CDT
• Forensic Examination of Structures and Use in Litigation
Fri., April 10, 2020, 1:00 - 5:00 PM CDT

Special Inspections under the IBC Chapter 17
• Special Inspections under the IBC Chapter 17, Part I
Wed., April 22, 2020, 11:00 AM - 2:15 PM CDT
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Registration
Practical Site Engineering: Science and Techniques
Pearl, MS - Wednesday, May 20, 2020

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