

HalfMoon Education Live Continuing Education Webinars

Retaining Wall Design and Global Stability Analysis

Online - Thursday, September 15, 2022 | 8:30 am - 4:30 pm CDT

Credits:

Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours

AIA: 7.0 LU|HSW Landscape Architects: 7.0 HSW CE Hours

LA CES: 7.0 HSW PDH Floodplain Managers: 7.0 ASFPM CECs

International Code Council: .7 CEUs (Sitework)

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AIA
Continuing
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PREFERRED
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Retaining Walls: What They Do and How They Do It

- Defining “the wall”
- Identifying forces on a retaining wall
- How to account for and resist soil pressure
- How water pressure impacts a retaining wall
- The properties of the soil that contribute to the wall design
- Equations and examples

Geosynthetics and Retaining Walls, Embankments and Slopes

- Properties of common geosynthetics
- How an MSE wall differs from other wall types
- Discussion of different blocks, reinforcement, and their interaction
- Design code requirements for an MSE wall
- Geosynthetic properties for use in slope stabilization
- Equations, calculations, and examples of internal stability of an MSE wall

Unreinforced Slope Stability Analysis

- Fundamentals of slope instability
- Soil and geological mechanics related to slope instability
- How geologic conditions affect slope stability
- Observations of slope instability
- Construction practices to improve or restore slope stability
- Equations, calculations and example of an unreinforced slope

Tuition

\$319 for individual registration
\$289 for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

Reinforced Slope Stability Analysis

- Geosynthetic properties for use in slope stabilization
- Deep seated stability analysis
- Equations, calculations, and example of using geosynthetics to reinforce a slope
- Soil properties and conditions that contribute to slope stability
- Material required for the exposed face of the slope to maintain long term stability

Retaining Wall/Slope Lessons Learned

- Preventing problems or failures of walls and slopes through improved site layout
- Commonly overlooked design code requirements related to retaining wall layout and design
- Roles and responsibilities of the design and construction team to ensure structure success
- Typical causes of problems or structure failure
- Recognizing and preventing a problem during construction
- How water (both surface and below ground) affects an earth structure
- What measures to take during construction to ensure long term earth structure success
- Case histories and examples of failed structures

Presented by

Bill Simpson P.E., is a geotechnical structure design specialist at Gradelta Engineering. Mr. Simpson founded Gradelta in 2020 with the intent to help clients better understand the combination of geotechnical and structural engineering that he has worked with for the past 20 years. He earned his B.S.C.E. and M.S.C.E. degrees from Georgia Institute of Technology

Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers, 7.0 HSW continuing education hours for licensed architects, and 7.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LUHSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

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

This webinar has been approved by the Association of State Floodplain Managers for 7.0 CECs for floodplain managers.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

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