

HalfMoon Education Live Continuing Education Webinars

Pennsylvania Retaining Wall Design and Slope Stabilization Techniques

Online - Tuesday, August 30, 2022 | 8:30 am - 5:00 pm EDT

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 PDHs

International Code Council: .7 CEUs (Sitework)

Floodplain Managers: 7.0 ASFPM CECs

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Types of Retaining Walls and Appropriate Applications

Applications for retaining walls
Traditional cantilevered retaining walls
• Reinforced concrete walls
• Reinforced concrete masonry walls
Soldier pile and lagging walls
Traditional timber walls Traditional gravity walls
Reinforced soil retaining walls
Anchored retaining walls (tie-backs, soil nailing, etc.)
Temporary retaining walls
Over-steepened reinforced slopes
Gabion walls Crib walls
Private-sector vs. highway retaining wall systems
Cost of retaining walls

Retaining Wall Design

Soil design parameters	Lateral earth pressure
External stability	
• Sliding	• Overturning
• Bearing capacity	• Settlement
• Scour	
Internal stability	Global stability
Special considerations for	tiered retaining walls
Backfill	Groundwater
Service life	Design software

Presented by

Daniel Messmer P.E. D. GE

*Project Manager with The Gateway Engineers, Inc.,
in Pittsburgh*

Slope Stabilization

Science of slope stability
Surficial vs. deep-seated slope stability
Long-term vs. short-term stability
Slope stabilization techniques
• Regrading
• Excavation and replacement
• Slope reinforcement/pinning
• Ground improvement
• Toe retaining walls

Retaining Wall and Slope Stabilization Case Histories

Commercial and residential projects
Highway and institutional projects

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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Credit Information

This webinar is open to the public and is intended to offer 7.0 PDHs to professional engineers, 7.0 HSW continuing education hours to licensed architects, and 7.0 HSW continuing education hours to 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 LU/HSWs (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).