

HalfMoon Education Live Continuing Education Webinars

# Retaining Walls for Waterfront Properties

**Online - Wednesday, May 24, 2023 | 9:00 am - 4:00 pm CDT**

**Credits:**

Professional Engineers: 6.0 PDHs

Architects: 6.0 HSW CE Hours      AIA: 6.0 LU|HSW

Landscape Architects: 6.0 HSW CE Hours      LA CES: 6.0 HSW PDHs

International Code Council: .6 CEUs (Sitework)

Floodplain Managers: 6.0 ASFPM CECs

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### **Retaining Walls for Waterfront Properties:**

#### **Applications and Alternatives**

- Purposes of waterfront retaining walls
- Gain buildable space
- Prevent erosion
- Provide access – driveways, bridges
- Lining of ponds
- Alternatives

### **Concrete Block Walls**

- Material description, cost and design
- Construction considerations
- Sustainability and environmental impact
- Maintenance and design life

### **Natural Stone and Riprap**

- Material description and design
- Construction considerations
- Sustainability and environmental impact
- Maintenance and design life

### **Steel Sheetpile Seawalls**

- Material description, cost and design
- Construction considerations
- Sustainability and environmental impact
- Maintenance and design life

### **Wood Retaining Walls**

- Material description, cost and design
- Construction considerations
- Sustainability and environmental impact
- Maintenance and design life

### **Lake and River Retaining Wall Workshop**

- Avoiding common retaining wall failures
- Questions

### **Presented by**

**Douglas Hula** is a licensed professional engineer in Michigan with over 24 years of experience in both public and private projects including education, healthcare, transportation, wastewater, industrial, mining, commercial/retail, high-end and multi-family residential. He earned his Bachelor of Science degree in Civil Engineering from Michigan Technological University, after completing an Associate in Science degree at Grand Rapids Community College. Mr. Hula's areas of expertise include planning and executing geotechnical investigations, recommendations for shallow and deep foundation systems, retaining wall design, slope stability evaluation, pavement design, helical piles, foundation underpinning, geofoam, project estimating, site drainage, contractor bid requests and evaluation, field and laboratory construction materials testing, settlement and vibration monitoring, business development, soil erosion/sedimentation control, and advanced geotechnical drilling and rock coring oversight. Some notable projects in northern Michigan include the Timothy J. Nelson Innovation Center at Northwestern Michigan College in Traverse City, St. Mary's Cement - Charlevoix Plant Upgrade Project, New EJ Foundry near Elmira, Great Lakes Center for the Arts in Bay Harbor, and North Dock Improvements at Carmeuse Lime & Stone in Rogers City. He volunteers on the Board of Directors for the Northwestern Michigan Branch of the American Society of Civil Engineers (ASCE) and is also a member of the Geo-Institute of ASCE. Mr. Hula is a voting member of ASTM International Technical Committees C09 – Concrete and Concrete Aggregates, and D18 – Soil and Rock.

### **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.

## **Credit Information**

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 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 6.0 LU/HSW (Sponsor No. J885). Only full participation is reportable to the AIA CES.

The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Sitework (Preferred Provider No. I232).

This webinar has been approved by the Association of State Floodplain Managers for 6.0 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).

### **On-Demand Credits**

The above pre-approval(s) only apply to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:

6.0 HSW LUs (AIA)  
6.0 HSW PDHs (LA CES)

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