

Agenda

Presented by Daniel P. Messmer, P.E., D. GE

Fundamental Site Design Considerations

- Flooding
- Erosion
- Vegetation
- Runoff and pollution prevention

Site Plan Elements and Design

- Grading plans
- Drainage plans
- Zoning
- Site plan approval

Site Evaluation

- Surveying a site
- Soil testing
- Determining rain and wind loads

Understanding and Complying with Legal Requirements

- ADA design considerations
- EPA site design requirements
- Local ordinances and standards
- Zoning regulations

Site Grading Design

- Existing topography, soils and hydrology
- Grading goals and strategies
- Challenges and pitfalls
- Design software

Site Drainage Design

- Existing drainage patterns
- Proposed drainage schemes
- Regulatory and permitting considerations
- Challenges and potential problems
- Design software

Site Inspection

- Role of inspection to ensure site safety and reduce liability
- Utilize site inspection to ensure site plan compliance

Case Studies

Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of this webinar are available for purchase. See course listing online 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.

Site Design: Grading and Drainage

Live, Interactive Webinar - Friday, May 20, 2022

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HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Consider vegetation, erosion, runoff and pollution prevention when doing site design.

Conduct thorough site evaluations that include surveying, soil testing, and rain load determination.

Comply with regulatory requirements for accessible design and stormwater management.

Set grading goals and develop grading strategies.

Review software for site grading and site drainage design.

Utilize site inspections to ensure site plan compliance.



HalfMoon Education Live Webinars

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Handle flooding, erosion and runoff concerns during site design

Develop grading plans and drainage plans

Comply with accessibility and stormwater management regulations

Explore topography, soils and hydrology when doing grading design

Review existing drainage patterns and proposed drainage schemes

Discuss site inspections

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW CE Hours

7.0 AIA LU | HSW

Landscape Architects

7.0 HSW CE Hours

7.0 LA CES HSW PDHs

Floodplain Managers

7.0 ASFPM CECs

International Code Council

0.7 CEUs (Sitework)



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Faculty

Daniel P. Messmer, P.E., D. GE
Project Manager with The Gateway Engineers, Inc., in Pittsburgh
Mr. Messmer has over 30 years of engineering experience in analysis, design, plan/specification development, and project management/personnel supervision for geotechnical, foundation and structural engineering projects in the transportation, industrial, municipal and commercial fields of civil engineering. Throughout his career he has placed an emphasis on quality control and staff training. Mr. Messmer is a member of the American Society of Civil Engineers, the American Concrete Institute, the American Society of Highway Engineers and the Society of American Military Engineers. He earned his B.S. degree in Civil Engineering from the University of Pittsburgh. Mr. Messmer was accepted into the Academy of Geo-Professionals in 2013.

Webinar Information

Log into Webinar 8:00 - 8:30 am CDT	Break 12:15 - 12:45 pm CDT
Morning Session 8:30 am - 12:15 pm CDT	Afternoon Session 12:45 - 4:30 pm CDT

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.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

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Cancellations: Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

Can’t Attend? Order the Webinar as a Self-Study 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.

Additional Learning

Low Impact Development
- Wed, Apr 20, 2022 | 10:00 am - 2:00 pm CDT
- Thurs, Apr 21, 2022 | 10:00 am - 12:45 pm CDT

Managing Construction with AIA Document A201: General Conditions
- Thurs, Apr 21, 2022 | 9:00 am - 4:30 pm CDT

Colorado River Management: Science, Law and Policy
- Mon, Apr 25, 2022 | 7:30 am - 2:30 pm CDT

Onsite Wastewater Treatment Systems: Innovations, Commercial and Cluster Systems
- Mon, Apr 25, 2022 | 8:30 am - 4:00 pm CDT

Decentralized Onsite Wastewater Treatment Systems: Ongoing Innovation for the 21st Century
- Tues, Apr 26, 2022 | 8:45 am - 5:00 pm CDT

Designing to Withstand Tornadic Loads on Buildings with ASCE 7-22
- Tues, Apr 26, 2022 | 9:00 am - 4:00 pm CDT

Shoreline Protection - Lakes, Ponds and Other Inland Waters
- Tues, Apr 26, 2022 | 8:30 am - 4:30 pm CDT

Wildfire Management on Rural Lands
- Thurs, Apr 28, 2022 | 12:00 - 3:15 pm CDT
- Fri, Apr 29, 2022 | 12:00 - 3:15 pm CDT

IBC Significant Changes: Administration and Building Planning
- Fri, Apr 29, 2022 | 11:00 am - 3:30 pm CDT

Construction Cost Estimating and Value Engineering
- Fri, Apr 29, 2022 | 8:30 am - 3:20 pm CDT

Wetland Restoration
- Fri, Apr 29, 2022 | 8:30 am - 4:00 pm CDT

Reading, Interpreting and Writing Land Descriptions Workshop
- Fri, Apr 29, 2022 | 9:00 am - 4:00 pm CDT

For more information and other online learning opportunities visit:
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Continuing Education Credit Information
This webinar is open to the public and offers 7.0 PDHs to professional engineers in all states, 7.0 HSW continuing education hours to architects licensed in all states, and 7.0 HSW continuing education hours to landscape architects in all states that allow this learning method (except NJ). Please refer to specific state rules to determine eligibility.

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

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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).

The Association of State Floodplain Managers has approved this webinar 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).

Added Value:
Enhance your learning - a recording of this webinar will be available for attendees to stream online for two weeks after the program date.
(Must attend live webinar to earn live webinar credits)

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
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() I need special accommodations. Please contact me.	

Tuition

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☐ Streamable MP4 Video/PDF Manual for **\$329.00**.

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