

Agenda

Seminar Overview

Land Development Process Overview

Land development types	Industrial
Residential	Redevelopment and infill
Light commercial	
Large commercial	
Land development stakeholders	
Owners	Agencies
Developers and investors	General public
Municipal officials	

Land Use & Zoning

Workflow elements	Relief options
Planning codes and statutes	Municipal involvement
Ordinance review	Eminent domain
Site location	
Software applications	
GIS	Online data
Data availability	
GIS online	County websites
Other third party	

Conceptual Planning

Workflow elements	Site due diligence
Base plan	ProForma cost estimates
Marketability	Use to zoning balance
Develop proposed uses	
Software applications	
GIS	SiteOPS
SketchUp	AutoCAD
Data availability	
Public access GIS	Online data
Google	3D warehouse

Permits and Regulatory Agencies

Workflow elements	Permit requirements
Permit applications	Design considerations
Initial meetings with agencies	
Cost analysis	
Software applications	
Site/region specific	Permit forms
Data availability	
Agency websites	Federal guidelines
GIS databases	

Detailed Site Design

Workflow elements	Preliminary plans
Concept/sketch plan	Permit drawings
Final development plans	Legal agreements
Finalization and recording	
Security bonding	
Software applications	
CAD software applications	Ancillary design software
Data availability	
Initial design phases	Base surveys
Other proximate project data	

Construction Management

Workflow elements	Kickoff meetings
Project approvals	Milestone identification
Mobilization coordination	Inspection schedules and bond release
Permit compliance inspections	Finalization and closeout
Software applications	
Spreadsheet applications	MS project
Others	
Data availability	
Contractor PM input	On-site inspections
Similar project performance data	

Example Project Workflow

Walk through of a small multi-use land development project using planning elements discussed during seminar. Allows for class input and/or options based on common experience and project testimony

Practical Site Engineering

Plymouth Meeting, PA - Friday, April 27, 2018



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

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Learning Objectives

You'll be able to:

Understand the land development process for residential, commercial, industrial and redevelopment projects.

Obtain land use and zoning information.

Develop a conceptual plan and conduct site due diligence.

Apply for permits from regulatory agencies.

Review software for planning, site design and construction management.

Discuss a small, multi-use land development project case study that illustrates the site planning process from start to finish.



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Discuss the land development process for residential, commercial, and industrial projects

Consider land use and zoning regulations

Create a conceptual plan for development

Obtain permits from regulatory agencies

Develop a detailed site design

Manage ongoing site work

Continuing Education Credits

Professional Engineers

6.5 PDHs

Contractors

Non-Credit Continuing Ed.

Architects

6.5 HSW Continuing Ed. Hours

6.5 AIA HSW Learning Units



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Faculty

Mark D. Jones *Principal, Hartech Engineering & Consulting, LLC*

Mr. Jones, PE, is president of Hartech Engineering which was founded in 2007 as a multi-discipline civil engineering consulting firm providing infrastructure, development and municipal design services for the public and private sectors. Bringing over 30 years of engineering expertise along with specific state-of-the-art, computer-aided technology to achieve efficient, cost saving design solutions, he also provides hydrology and hydraulic studies and reports along with general civil engineering support for prime consultants to PennDOT or local municipality projects. Mr. Jones is a licensed pilot and studied Military Civil Engineering while serving in the USAF and continues his masters-level education locally through Penn State. He is also a registered professional engineer in the states of Pennsylvania, Maryland, Arizona and Georgia.

Seminar Information

DoubleTree Suites Philadelphia West 640 Fountain Road Plymouth Meeting, PA 19462 (610) 834-8300	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:00 pm	Lunch (On your own) 12:00 - 1:00 pm Afternoon Session 1:00 - 4:30 pm
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Tuition

\$279 for individual registration
\$259 for three or more simultaneous registrations.
Each registration includes a complimentary continental breakfast and printed 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

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

Additional Learning

Webinar Series

Solar Photovoltaic Project Design and Development

- **Solar Photovoltaic Project Design and Development, Part I**
Wed., Mar. 7, 2018, 11:00 AM - 2:15 PM CST
- **Solar Photovoltaic Project Design and Development, Part II**
Thurs., Mar. 8, 2018, 11:00 AM - 2:15 PM CST

Deep Excavations

- **Introduction to Deep Excavations**
Thurs., Mar. 15, 2018, 11:00 AM - 1:00 PM CDT
- **Soil Mechanics, Cantilever Walls and Anchored Sheet Pile Walls**
Thurs., Mar. 15, 2018, 1:30 - 3:00 PM CDT
- **Braced Excavation Design**
Fri., Mar. 16, 2018, 11:00 AM - 12:30 PM CDT
- **ASD and LRFD Design**
Fri., Mar. 16, 2018, 1:00 - 2:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 continuing education hours to architects in all states, except Florida architects. Educators and courses for Pennsylvania engineers are not subject to pre-approval.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is deemed an approved architect continuing education sponsor in New York. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

This program offers a non-credit continuing education opportunity to construction contractors. It has not been submitted to any state contractor licensing entity for continuing education approval.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can't Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

HEC-RAS

- **Hydraulic Principles and Applications**
Thurs., Mar. 22, 2018, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**
Thurs., Mar. 22, 2018, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
Fri., Mar. 23, 2018, 11:00 AM - 1:00 PM CDT
- **Steady Flow Surface Profile Demonstrations**
Fri., Mar. 23, 2018, 1:30 - 3:30 PM CDT

Commercial Energy Conservation Code

- **Commercial Energy Conservation Code and COMcheck Introduction**
Weds., Mar. 28, 2018, 11:00 AM - 1:00 PM CDT
- **Building Envelope Energy Efficiency**
Weds., Mar. 28, 2018, 1:30 - 3:30 PM CDT
- **Heating, Ventilation and Air Conditioning Systems**
Thurs., Mar. 29, 2018, 11:00 AM - 1:00 PM CDT
- **Service Water Heating, Power and Lighting**
Thurs., Mar. 29, 2018, 1:30 - 3:00 PM CDT

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Name: _____ Occupation: _____ Email: _____ Phone: _____
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Complete the entire form. Attach duplicates if necessary.	
Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.	
() I need special accommodations. Please contact me.	

Tuition

- () **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
- () **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
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City: _____ State: _____ Zip: _____
Signature: _____
Email: _____