

# Agenda

Presented by  
**Antonio A. Prete, P.E. and Laton Carr, P.E., C.F.M.**

## Fundamental Site Design Considerations

- Jurisdiction
- Floodplains
- Existing topography

## Site Evaluation

- Surveying a site
- Soil testing
- Existing topography and features

## Site Plan Elements and Design

- Platting
- Grading plans
- Drainage plans

## Understanding and Complying with Legal Requirements

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

## Site Grading Design

- Existing lay of the land
- Grading goals and strategies
- Challenges and pitfalls (figuratively speaking)
- Design software

## Site Drainage Design

- Existing flow patterns
- Proposed drainage schemes
- Atlas 14 and other regulatory considerations
- Challenges and pitfalls
- Design software

## Site Inspection

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

## Case Studies

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# Texas Site Design: Grading and Drainage

Live, Interactive Webinar - Tuesday, November 30, 2021

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## Learning Objectives

### You'll be able to:

**Consider** the impact of floodplains and existing topography on site design.

**Discuss** the elements of site plans: platting, grading plans and drainage plans.

**Comply** with zoning regulations, EPA requirements and ADA standards.

**Explore** the site grading design process, and discuss design software.

**Learn** about site drainage design, including proposed drainage schemes.

**Identify** the role of site inspections in ensuring site safety and site plan compliance.



## HalfMoon Education Live Webinars

# Texas Site Design: Grading and Drainage

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**Explore** site design considerations including floodplains and topography

**Conduct** site evaluations, including soil testing and surveying

**Learn** about ADA design considerations and EPA site design requirements

**Examine** site grading design goals, strategies, challenges and pitfalls

**Study** site drainage design, and evaluate proposed drainage schemes

**Utilize** site inspections to ensure compliance

### 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**  
.70 CEUs (Sitework)



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# Faculty

## Antonio A. Prete, P.E. *President, Waeltz & Prete Civil Engineers*

Following a six-year enlistment in the United States Marine Corps, Mr. Prete earned his bachelor of science degree in Civil Engineering from the University of Texas in 1999. His expertise includes design and construction plan preparation for civil works projects such as site developments, streets/roads, drainage facilities, water and wastewater distribution/ collection systems, and stormwater detention/quality controls. In addition, his expertise includes hydrology and hydraulic design, and water modeling with HEC-HMS, HEC-RAS & WaterCad, respectively. He also prepares feasibility reports, technical reports, proposals, man-hour estimates, project budgets, schedules, and construction cost estimates. Mr. Prete and his team design and permit projects for both the private and public sectors. In addition to site and subdivision design, Mr. Prete also serves as chair of the Planning and Zoning Commission in Elgin, Texas.

## Laton Carr, P.E., C.F.M. *Engineering Services Manager, City of Round Rock*

Mr. Carr earned his bachelor of science degree in Civil Engineering from the University of Texas in 2005. He worked for Pape-Dawson Consulting Engineers designing land development projects until 2009. In 2009 he joined the City of Round Rock as a permit reviewer, reviewing the types of projects he was designing at Pape-Dawson. Mr. Carr continues to work for the City of Round Rock in Planning and Development Services (PDS) as the Engineering Services Manager. He and his team help consulting engineers get their designs permitted and on the ground. Mr. Carr and his team at the City of Round Rock review site and subdivision permit applications that include design of streets/roads, grading, drainage, floodplain delineation, storm drains, detention ponds, water/wastewater, etc. His team and department focus on the timely delivery of comments and communication to applicants that are necessary to get land development permits issued, constructed, and closed out.

# Webinar Information

Log into Webinar 8:00 - 8:30 am CST	Break 12:15 - 1:15 pm CST
Morning Session 8:30 am - 12:15 pm CST	Afternoon Session 1:15 - 5:00 pm CST

## Tuition

**\$289** for individual registration  
**\$239** for three or more registrants from the same company at the same time.  
**Included with your registration:** PDF seminar manual.

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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.

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# Additional Learning

## Focus on Natural Restoration

- Wed, Oct 27, 2021 | 10:00 am - 12:00pm CDT

## Handling Ethical Issues Associated with Construction Defects and Failures

- Wed, Oct 27, 2021 | 9:00 - 10:00 am CDT

## Special Inspections under the International Building Code Chapter 17 and Applicable Texas Concerns

- Thurs, Oct 28, 2021 | 8:30 am - 5:00 pm CDT

## Managing Construction Projects

- Tues, Nov 2, 2021 | 8:30 am - 4:30 pm CDT

## Handling Ethical Issues in Professional Engineering Practice

- Wed, Nov 3, 2021 | 3:00 - 4:00 pm CDT

## Commercial Site Pavement Design, Installation and Maintenance

- Fri, Nov 5, 2021 | 8:30 am - 4:30 pm CDT

For more information and other online learning opportunities visit: [www.halfmoonseminars.org](http://www.halfmoonseminars.org)

## Continuing Education Credit Information

This webinar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW CEPHs/continuing education hours to architects and landscape architects in Texas. Educators and courses are not subject to pre-approval in Texas.

This event has been approved by the American Institute of Architects Continuing Education System for 7.0 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 7.0 HSW PDHs. Only full attendance can be reported to the AIA CES and LA CES.

Engineers, architects and landscape architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

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

The International Code Council has approved this event for .70 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

# Registration

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How to Register		Registrant Information
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Tuition
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( ) <b>I am not attending.</b> Please send me the webinar recording: <input type="checkbox"/> Streamable MP4 Video/PDF Manual for <b>\$299.00</b> . <input type="checkbox"/> USB Video/PDF Manual for <b>\$299.00</b> .
<b>Checks:</b> Make payable to HalfMoon Education Inc. <b>Credit Card:</b> <i>Mastercard, Visa, American Express, or Discover</i>
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