

HalfMoon Education Live Continuing Education Webinars

# Urban Stormwater System Design and Construction

**Online - Thursday, November 10, 2022 | 8:30 am - 4:30 pm CST**

**Credits:**

Professional Engineers: 6.5 PDHs

Architects: 6.5 HSW CE Hours      AIA: 6.5 LU|HSW

Landscape Architects: 6.5 HSW CE Hours      LA CES: 6.5 HSW PDHs

Floodplain Managers: 6.5 ASFPM CECs      Certified Planners: CM|6.5

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AIA  
Continuing  
Education  
Provider



## Webinar Agenda | Thursday, November 10, 2022 | 8:30 am - 4:30 pm CST (including a 60-min. break)

### Exploring Urban Hydrology and Environment

- Principles of urban hydrology
- Separate versus combined storm sewer systems
- Introduction to green stormwater infrastructure (GSI)
- Establishing municipal goals and working towards a green future

### Reviewing Regulations and Doing Stormwater Modeling

- Local, state and federal regulations
- Permitting process
- Stormwater modeling

### Green Stormwater Infrastructure Implementation

- Site design
- Infiltration testing
- Regulatory considerations
- Flood control
- Public health and safety
- Technical considerations
- Basin design
- Water quality

### Designing a Separate Storm Sewer System

- Reviewing drainage patterns
- Locating and spacing inlets
- Creating a system layout
  - Choosing pipe materials and diameters
  - Locating structures
  - Gutter design
- Utilities conflicts
- Construction concerns/considerations
- Design discharge
- Longitudinal slopes

### City-Scale Strategic Stormwater Planning

- Sewer system renewal and aging dynamics
- Progressive flood mitigation planning
- Climate change considerations

### Storm Sewer Design Case Study

### Presented by

**Wade Burcham** *Professional Engineer, Principal Water Resources Engineer with Geosyntec*

Mr. Burcham graduated from the University of Alabama in Birmingham. His 21 years of experience has been focused on natural stream stabilization, water resources engineering, stormwater management, municipal engineering and contract administration. This experience has facilitated a balanced viewpoint from perspectives obtained as a civil engineer, a municipal consultant and a developer's representative. He enjoys learning sustainable and innovative design practices and applying those techniques in developing countries through his volunteer work with Engineering Ministries International and other faith-based mission efforts.

### 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.

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Recordings of this webinar are available for purchase. See details 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.

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## Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 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 6.5 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 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

This webinar has been approved by the Association of State Floodplain Managers for 6.5 CECs for floodplain managers.

HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 6.5 for Certified Planners.

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).