

Geomatics Workshops Presents  
**THREE** Seminars for  
**SURVEYORS AND ENGINEERS**  
**Richmond, VA**

**Practical Hydrology & Hydraulics**

***8 Continuing Education Credit's***

**August 27**

**Sediment & Erosion Control**

***8 Continuing Education Credit's***

**August 28**

**Subdivision Design**

***16 Continuing Education Credit's***

**September 17-18**

**>>Seminar's Half-Price With Proof Of Unemployment<<**

***See web site for verification process.***

**[www.geomaticsworkshops.com](http://www.geomaticsworkshops.com)**

Geomatics Workshops is an Approved Continuing  
Education Provider since 2003

Geomatics Workshops  
13130 Graymist Dr  
Charlotte, NC 28215  
(704) 756-1491

**[www.geomaticsworkshops.com](http://www.geomaticsworkshops.com)**

*Workshops have been approved for 8  
& 16 hours of continuing education most states*

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NC  
Permit # 309



**GEOMATICS  
WORKSHOPS**

## Practical Hydrology & Hydraulics

**August 27**

### Topics Covered

- Estimating Runoff – Rational Method
- Sizing & Layout of Storm Drainage Pipes
- Design & Sizing of Open Channels
- Culvert Capacity Analysis
- Why Pipes Fail: Case Study of Pipe Failures
- Stormwater Management Systems

## Sediment & Erosion Control

**August 28**

### Topics Covered

- Erosion Types and Causes
- Erosion Control Design
- Techniques and Examples
- Outlet Control Devices
- Channel Design
- Sediment Basin Design
- Vegetative Cover
- Erosion Plan Design

## Subdivision Design

**September 17-18**

*This two-day workshop provides an in-depth overview of the most up to date subdivision design methods with practical, hands-on examples and case studies.*

### Topics Covered

- Site Plans / Introduction
- Roadway Plans
- Grading / Erosion Control Plans
- State and Local Approval Process
- Storm Drainage / Detention
- Hands-on Design
- Subdivision Design Exercise
- Subdivision Layout Critique
- Sanitary Sewer / Water Plans
- Putting It All Together / Cost Est.
- Final Step / Platting the Lots

### Holiday Inn Express - Chester

1911 W. Hundred Road – Chester, VA  
I-95, Exit 61A Phone (804) 751-0123  
[www.holidayinn.com](http://www.holidayinn.com)

**Room Rate - \$74.00**

Your Seminar Instructor, Fred Gore, PE, PLS, is the president of Civiltek Associates, P.A. where he is in responsible charge of all aspects of subdivision design. Mr. Gore has over 25 years experience in civil engineering and surveying design. He has over 20 years experience as an instructor at Central Piedmont Community College in coursework including surveying, subdivision design, hydrology, surveying law and business development.

*A block of rooms has been reserved at the hotel for these workshops. Identify yourself as a Geomatics Workshop participant to receive the group rate. Registration fees include refreshments, workbook and certificate.*

### Workshop Schedule

7:30 – 8:00 Registration  
8:00-5:00 Workshop  
1 Hour Lunch

**Practical Hydrology & Hydraulics August 27 - \$225.00**

*(Register on or before August 20)*

**Sediment & Erosion Control August 28 - \$225.00**

*(Register on or before August 21)*

**Subdivision Design Sept. 17-18 - \$425.00**

*(Register on or before September 3)*

**Add \$75.00 for late registration**

**Half Price Fee With Proof of Unemployment**

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