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TRAINING LOCATIONS

Quakertown

18 South 5th Street
Quakertown, PA 18951

Manheim

ABC Keystone Chapter
135 Shellyland Road
Manheim, PA 17545

Philadelphia

1515 Market Street
Suite 1200
Philadelphia, Pa 19102



AutoCAD Civil 3D - Storm and Sanitary Analysis Fundamentals

Course Description: This course will introduce you to storm drainage system design within Storm and Sanitary Analysis (SSA). We'll walk through a hydrology and hydraulic study for a typical development. Users of Civil 3D who are interested in utilizing Storm and Sanitary Analysis for hydrology and hydraulic studies should attend. You will leave this course understanding how to analyze the various rainfall events for a proposed site development and create the required reports for various agency submittals.

Prerequisites: This course requires a fundamental understanding of Engineering Hydrology methods. It is recommended that you have attended either the Civil 3D Fundamentals or Map 3D fundamentals class.

Length:	2 days
Times:	8:30 am - 4:30 pm
PDH Credit Hours:	13 hours

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Representative Topics

- Introduction to SSA interface
- Rainfall data
- Importing files and data as a background
- Computing curve numbers
- Defining pipe networks
- Analysis of various models in SSA
- Single vs multiple storm analysis
- Inlet and pipe design
- Analysis reports and output
- Tracking and reporting changes
- Animations, hydrograph and profile plots
- Project & display settings
- Hydrology and hydraulic model creation
- Defining watershed elements
- Determining time of concentration
- Hydraulic model creation in Civil 3D
- Analysis options
- Model comparison between pre and post conditions
- Locating pipe network and pond deficiencies
- Output variables
- Loading results
- Export Data to ASCII or Excel

The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants. Cancellation/Rescheduling Fee of 25% of the Daily Rate per Student will be assessed for anyone canceling or rescheduling a Synergis Training Class without at least 14 days notice. If applicable, the Cancellation or Rescheduling Fee will be invoiced to you automatically. Classes are confirmed based on the number of students registered and therefore cancellations and rescheduling of classes may affect other customers. Please be sure that you can attend the class dates for which you are registering when you submit your order.