



Autodesk Civil 3D – Level 1

Fundamentals

Duration: 3 Days *Customized Quotes Available*
Cost: \$1,200/Person *for Four or More Attendees*

Curriculum •

- Civil 3D concepts
- Intro to styles
- User interface, annotations
- Geometry computations for centerlines, parcels
- DTM development & edits
- EG & FG profiling
- Corridor modeling
- Cross sectioning
- Intro to grading in 3D
- Piping & utilities
- Conflicts & collisions
- Point usage
- Data sharing
- Vault intro

Methodology •

Harken-Reidar has developed the “T.I.E. Training™” methodology, which stands for **T**ools, **I**magination and **E**xpertise. Successful training is knowing the **Tools** of the software and how to use them; engaging your **Imagination** to apply those tools to a task; and having the professional **Expertise** required to optimize the tools as intended. No dynamic block or VBA development occurs in this session. One set of Styles is established and the organization’s delegates learn how to develop style evolutions and additional variations.

Environment •

Class size is limited, which allows for one-on-one personal attention. Each attendee has his or her own workstation for a comprehensive hands-on learning experience. This training meets most CEU requirements. Certificates are awarded at completion of the course. On-site work may incur expenses. Harken-Reidar has mobile classrooms that we can provide for your on-site, in-house training for a separate charge. These systems are configured with the current software and service packs. Classes generally run from 9:00AM – 4:30PM.

Instructors •

Harken-Reidar instructors are industry practitioners and experts in the use of the software for surveying, engineering and construction. The Training staff is headed up by Harry O. Ward, PE, a nationally known columnist and George Mason University professor, licensed civil engineer and licensed contractor. The text for the class is the Prentice-Hall published **Autodesk Civil 3D: Procedures & Applications**, written by Harry O. Ward, PE & Nancy Orem. It is available on Amazon.com and is used in colleges and tech schools nationwide.

Registration •

Contact the Harken-Reidar business office at 540.635.6742, by fax at 540.635.6752, or by e-mail at: info@harken-reidar.com. Expenses and travel time may be added to the fee above. Be sure to leave all contact information: name, telephone, e-mail, cell phone. We accept all major credit cards. Payment is due prior to class. Terms and conditions are provided in the registration form.

