CivilTraining, LLC
a DAVEY company

Using AutoCAD Civil 3D Survey – Controlling Point Display – 1.0 Hours

Workshop Description

Summary

Points provide the basic interface for representing surveyed existing conditions in AutoCAD® Civil 3D®. This class, presented at selected Survey Conferences and local Survey Association Chapter meetings, explores the nature of the Civil 3D Point: its creation, display, organization and editing.

AutoCAD Civil 3D provides a powerful set of tools for the processing and preparation of survey projects, but the program can seem overly complex in how point data are displayed, both in appearance and labeling. This class provides a concise overview of how Civil 3D point display works, in both initial setup and manipulation for individual drawing requirements. The class is based on actual experience using Civil 3D in survey applications, and participants will be able to download a complete Civil 3D template drawing to be able to put the solution immediately to use.

Topics and Schedule

AutoCAD Civil 3D Survey Point Overview
- Introduction to Civil 3D Points
- How Civil 3D Point Display Works

Using AutoCAD Civil 3D with Survey Data
- Point Styles
- Point Labels and Tables
- Automatically Labeling Points While Creating Points in a Drawing
- Editing Points in a Drawing
- Importing and Exporting Points
- Managing and Organizing Points

Learning Objectives

1. Participants will be able to describe how to use AutoCAD commands to edit points graphically as illustrated using the sample survey project used in the course.

2. Participants will be able to describe how to create points by importing point data from a file as illustrated using the sample survey project used in the course.

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Learning Objectives (Continued)

3. Participants will be able to describe techniques to control the appearance of a point symbol in a drawing as illustrated using the sample survey project used in the course.

4. Participants will be able to describe techniques to use a project to manage and protect points as illustrated using the sample survey project used in the course.

USING AUTOCAD CIVIL 3D SURVEY – CONTROLLING POINT DISPLAY – ONE HOUR	
Overall Course Length	1.0 Hours
Instructional Time	1.0 HOURS
PROFESSIONAL DEVELOPMENT HOURS (PDHS)	
New York State Land Surveyors	1.0 PDHs
New York State Professional Engineers	1.0 PDHs

This course is a registered Continuing Education class with the AIA. Courses taught by CivilTraining, LLC meet continuing education/professional development requirements for Alabama, Delaware Professional Engineers, Georgia, Illinois, Kentucky, Michigan, Missouri, Nevada, New Mexico, Ohio, Pennsylvania, South Carolina, Tennessee Professional Engineers, Texas Professional Engineers, Utah, Virginia, and West Virginia. CivilTraining, LLC is an approved Florida Board of Professional Engineers Continuing Education Provider for Area of Practice courses. CivilTraining, LLC, License No. CE84, is an approved Continuing Education Provider by the Florida Board of Professional Surveyors and Mappers; this continuing education course, number 8529, is approved for 1.0 general continuing education credit. The Indiana State Board of Registration for Professional Engineers has approved this course for continuing education, and CivilTraining, LLC is an approved Land Surveyor Continuing Education Provider by the Indiana State Board of Registration for Land Surveyors Professional Licensing Agency. CivilTraining, LLC is an approved provider of Continuing Professional Competency (CPC) requirements for Maryland Professional Engineers and Land Surveyors, approved by the Maryland Boards for Professional Engineers and Land Surveyors and an approved provider of Continuing Professional Competency courses for New Jersey Professional Engineers by the New Jersey State Board of Professional Engineers and Land Surveyors. This course has received approval for Continuing Professional Competency for Continuing Education of Land Surveying by the New Jersey Board of Professional Engineers and Land Surveyors. CivilTraining, LLC, an approved sponsor of continuing education for Professional Engineers and Land Surveyors in New York State, NYS Sponsor #171, has received approval for the above-referenced PDHs for this course. This course is approved for continuing education credits for Rhode Island Professional Land Surveyors by the Rhode Island State Board of Registration for Professional Land Surveyors, the Tennessee Board of Examiners for Land Surveyors has reviewed and approved CivilTraining, LLC's training courses for continuing education, and this course is approved by the Vermont Board of Land Surveyors for 1.0 hours of continuing education.