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Civil 3D Training Course Outline

Course Duration

5 days, 10am – 2pm

Module 1: The AutoCAD Civil 3D Interface

- AutoCAD Civil 3D Workspaces
- Start Tab
- AutoCAD Civil 3D User Interface, Toolspace, Panorama
- AutoCAD Civil 3D Templates, Settings, and Styles

Module 2: Project Management

- AutoCAD Civil 3D Projects
- Sharing Data
- Using Data Shortcuts for Project
- Starting a Project
- Manage File Sizes with Data Shortcuts
- Share Projects with Team Members Outside
- Office Network

Module 3: Parcels

- Introduction to Parcels
- Lines and Curves
- Beginning a Subdivision Project
- Create Parcels from Objects
- Creating and Editing Parcels by Layout Overview
- Renumbering Parcels
- Rename/Renumber Parcels
- Parcel Reports, Labels and Tables
- Reporting On and Annotating the Parcel Layout

Module 4: Survey

- Survey Workflow Overview
- Creating Figure Prefixes
- Points Overview
- Point Marker Styles and settings
- Creating Points
- Creating AutoCAD Civil 3D Points
- Description Key Sets
- Creating a Description Key Set
- Importing Survey Data
- Creating Point Groups
- Reviewing and Editing Points
- Manipulating Points

Module 5: Surfaces

- Surface Process and properties
- Contour Data
- Other Surface Data
- Creating an Existing Ground Surface
- Breaklines and Boundaries

- Add Additional Data to an Existing Ground Surface
- Surface Editing
- Surface Labeling and analysis Tools
- Surface Volume Calculations
- Surface Analysis Display
- Point Cloud Surface Extraction

Module 6: Alignments

- Roadway Design Overview
- AutoCAD Civil 3D Sites
- Introduction to Alignments
- Alignments Layout Tools
- Alignment Properties
- Labels and Tables

Module 7: Profiles

- Create a Profile View Style
- Create Profiles from Surface
- Create Profile View Wizard
- Finished Ground Profiles
- Create and Edit Profiles

Module 8: Corridors

- Assembly Overview
- Modifying Assemblies
- Creating a Corridor
- Corridor Properties
- Designing Intersections
- Corridor Surfaces
- Corridor Section Review and Edit
- Corridor Visualisation

Module 9: Grading and Pipe Networks

- Grading Overview
- Feature Lines
- Grading Tools
- Modifying AutoCAD Civil 3D Grading
- Pipes Overview and configuration
- Creating Networks from Objects
- The Network Layout Toolbar
- Network Editing
- Annotating Pipe Networks
- Pressure Pipe Networks

Module 10: Plan Production

- Plan Production Tools
- Plan Production Objects and their Edits
- Creating Sheets and Sheet Sets