AutoCAD Civil 3D 2015 Fundamentals (Imperial)

Days: 4

Prerequisites: Experience with AutoCAD® or AutoCAD-based products (such as Autodesk® Land Desktop) and a sound understanding and knowledge of civil engineering terminology.

Description: The AutoCAD Civil 3D 2015 Fundamentals training guide is designed for Civil Engineers and Surveyors who want to take advantage of AutoCAD® Civil 3D® software's interactive, dynamic design functionality. The AutoCAD Civil 3D software permits the rapid development of alternatives through its model-based design tools. You will learn techniques enabling you to organize project data, work with points, create and analyze surfaces, model road corridors, create parcel layouts, perform grading and volume calculation tasks, and layout pipe networks

Upon completion, you will be able to:

- Learn the AutoCAD Civil 3D user interface
- Create and edit parcels and print parcel reports
- Create points and point groups and work with survey figures
- Create, edit, view, and analyze surfaces
- Create and edit alignments
- Create data shortcuts
- Create sites, profiles, and cross-sections
- Create assemblies, corridors, and intersections
- Create grading solutions
- Create gravity fed and pressure pipe networks
- Perform quantity takeoff and volume calculations
- Use plan production tools to create plan and profile sheets

Chapter 1 The AutoCAD Civil 3D Interface
1.1 Product Overview
1.2 AutoCAD Civil 3D Workspaces
1.3 AutoCAD Civil 3D User Interface
Practice 1a Overview of AutoCAD Civil 3D and its User
Interface
1.4 AutoCAD Civil 3D Toolspace
Prospector Tab
Settings Tab
Survey Tab
Toolbox Tab
1.5 AutoCAD Civil 3D Panorama
Practice 1b AutoCAD Civil 3D Toolspace
1.6 AutoCAD Civil 3D Templates, Settings, and Styles
Drawing Settings in Detail
Styles
Templates
Practice 1c AutoCAD Civil 3D Styles

Chapter 2 Project Management
2.1 AutoCAD Civil 3D Projects
Single-Design Drawing Projects
Multiple Drawings Sharing Data using ShortcutsMultiple Drawings Sharing Data with Autodesk Vault
2.2 Sharing Data
2.3 Using Data Shortcuts for Project Management
Update Notification
Removing and Promoting Shortcuts
eTransmit Data References
Data Shortcut Workflow
Workflow Details
Advantages of Data Shortcuts
Limitations of Data Shortcuts
Practice 2a Starting a Project
Practice 2b Manage File Sizes with Data Shortcuts
Practice 2c Share Projects with Team Members
Outside the Office Network

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