



Unit K Civil 3D – Utilities

1 Day Course

Who Should Attend?

The course is aimed at Utility Surveyors and Utility Designers to increase skill knowledge for production in Civil 3D.

Delegates should have a good working knowledge of AutoCAD Civil 3D or have attended an AutoCAD Civil 3D New Users or Civil 3D Essentials course.

Objectives

This course will introduce advanced Civil 3D tools to aid in the production of Utility Design and Mapping.

Agenda

Note: We normally train on the latest version. During the course delegates will cover:

Day 1:

- 1. Civil 3D Functionality – Knowledge Refresher**
 - Use of Prospector, ribbon menus and right mouse button menus
 - Basic creation and analysis of Civil 3D Surfaces
 - Use of Object Viewer, Quick Profiler and Isolate tool
 - Brief refresher on Feature lines and Grading tools
- 2. Gravity Pipe Networks**
 - Pipe Networks from Objects
 - Pipe Networks from Toolbar
 - Place Structures and Pipes
 - Edit Structures and Pipes
 - Add Labels to Structures and Pipes
 - Create Network Tables
 - Draw Network Parts in Profile
 - Draw Network parts in Cross Section
- 3. Defined Property Sets**
 - Manual Properties
 - Automatic Properties
 - Attaching Property Sets
 - Adding Property Sets to Labels
- 4. Survey Import**
 - Import Survey
 - Description Key Sets
 - Figure Prefix Database
- 5. PAS 128/ BIM Compliance**
 - Integration of standards to Civil 3D elements
- 6. Preparation for Export**
 - Create Solids
 - Export to Navisworks
- 7. Windes/Micro Drainage Tool**
 - Rename Pipes
 - Export File
 - Import File
 - Update Networks

Qualifications

On completion of the course you will be presented with an Autodesk Authorised Training Certificate.



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