

# CAD Tips and Tricks DIMStyles & Linetypes

## A Virtual Webinar Using IntelliCAD or AutoCAD – Improve DIMStyles and Linetype Setup

This webinar explains how CAD users can effectively manage linetypes and DIMstyles across AutoCAD, IntelliCAD, and Carlson platforms. It covers scaling principles, file management, and customization techniques to ensure drawings plot correctly at any scale.

### Key Topics:

- Understanding and editing .LIN linetype definition files
- Line type scaling (LTSCALE, PSLTSCALE, and PLINEGEN)
- Creating and managing custom linetypes with text
- Dimension style scaling and child styles for radius dimensions
- Best practices for plotting and template setup

*This webinar was presented by That CAD Girl (Jennifer DiBona) on December 18, 2025 and lasted approximately 1 hour.*

*Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.*

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## That CAD Girl

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## **Civil 3D Surface from Points**

### **A Virtual Webinar Using Civil 3D – Build Accurate Surface Models**

This webinar, hosted by That CAD Girl and presented by Liz Valerio of CAD Masters, demonstrates how to create a Civil 3D surface from imported survey points by implementing Carlson surface modeling fundamentals. The session covers importing point data, organizing point groups, defining surfaces with breaklines and boundaries, and smoothing techniques for accurate terrain modeling.

#### **Key Topics:**

- Importing and managing survey points in Civil 3D
- Creating and refining a surface using point groups, breaklines, and boundaries
- Smoothing surfaces and contours for realistic terrain representation

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*have been AI-generated and may contain errors.*

*This session was presented by Elizabeth Valerio on 04/10/2025.*

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# **Basics of Surface Modeling in Carlson Software**

## **A Virtual Webinar Using Carlson Software – Build Accurate Surface Models**

This webinar provides a detailed walkthrough of surface modeling fundamentals in Carlson Software, covering data inspection, triangulation, contour generation, and integration with external data sources. Attendees learn practical workflows for building accurate surfaces using points, breaklines, and field-to-finish automation.

### **Key Topics:**

- Preparing and inspecting data for surface modeling
- Creating and refining TIN surfaces and contours
- Using breaklines and non-surface points
- Automating workflows with Field-to-Finish
- Integrating Google Earth and GIS imagery

*Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.*

*This session was presented by Jennifer DiBona on 7/3/2025.*

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# **An Overview of NCS Layers And Drawing Templates**

## **A Virtual Webinar Using AutoCAD and IntelliCAD – Learn to Standardize CAD Drawing Templates**

This webinar provides a detailed walkthrough of the National CAD Standard (NCS) layer naming conventions and demonstrates how to implement them through drawing templates in AutoCAD, Civil 3D, and IntelliCAD. Attendees learn how to create, customize, and manage templates for consistent CAD standards across projects.

### **Key Topics:**

- Overview of the National CAD Standard (NCS)
- Layer naming conventions and discipline designators
- Creating and customizing drawing templates (DWT files)
- Using templates in AutoCAD, Civil 3D, and Carlson
- Managing sheet templates and layout tabs

*Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.*

*This webinar was presented by Jennifer DiBona, That CAD Girl, on 08/12/2026.*

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# An Overview of Enhanced Productivity with MicroSurvey CAD

## A Virtual Webinar Using MicroSurvey CAD – Improve Boundary and Cadastral Workflows

This webinar introduces MicroSurvey CAD Field to Finish, a survey-focused drafting solution designed to streamline boundary and cadastral workflows. James Johnston demonstrates setup, configuration, and advanced COGO tools that improve efficiency and accuracy for surveyors transitioning from general CAD platforms.

### Key Topics:

- Introduction to MicroSurvey and its product ecosystem
- Configuring MicroSurvey CAD for boundary and cadastral work
- Demonstration of COGO tools, labeling, and lot closure features
- Integration with Leica Captivate and Starnet
- Upcoming webinars and product roadmap

*Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.*

*This session was presented by James Johnston on 03/25/2025.*

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# Carlson Field to Finish

## A Virtual Webinar Using Carlson Software – Learn to Automate Survey Drafting

This webinar provided an in-depth overview of Carlson Software's **Field to Finish** feature, explaining how to automate the process of converting field survey data into CAD drawings. Jennifer demonstrated how to create and configure **FLD (Field Code) files**, associate them with **CRD (Coordinate) files**, and manage symbols, layers, and linework for efficient drafting. The session also covered upcoming training events, practical examples of field code setup, and advanced customization options for survey workflows.

### Key Topics:

- Overview of Carlson Field to Finish concepts
- Creating and editing FLD (field code) files
- Managing point layers, symbols, and linework
- Using special codes and description formatting
- Building legends and plotting best practices

*Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.*

*This session was presented by Jennifer DiBona, on 09/04/2025.*

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# **Conversion of Outside Drawings to Company Cad Standards**

## **A Virtual Webinar Using Carlson Software – Convert Outside Drawings to Standards**

This webinar provides a detailed walkthrough of how to convert external CAD drawings into company-standard formats using Carlson Software. It covers fonts, line types, layer translation, Civil 3D object conversion, and best practices for maintaining consistent CAD standards across projects.

### **Key Topics:**

- Managing and correcting missing fonts and text styles
- Handling line types, LT scale, and custom line type creation
- Using layer translation tools and spreadsheets for CAD standardization
- Importing and cleaning Civil 3D drawings and Xrefs
- Troubleshooting slow saves, plotting issues, and font substitutions

*Descriptions, transcripts and other details of this recording have been AI-generated and may contain errors.*

*This session was presented by Travis Maxwell on 01/18/2023.*