

Taking a Survey Project from Field to Plotted Sheet

A Virtual Webinar Using Carlson Software – Learn to Complete Survey Workflow Projects

This webinar demonstrates how to take a survey project workflow from raw field data through point import, deed correlation, surface modeling, and final sheet plotting using Carlson Software 2025. Jennifer DiBona provides a full workflow overview, best practices, and live demonstrations of core Carlson commands and configuration options.

Key Topics:

- Importing and managing survey points in Carlson
- Creating and correlating deed boundaries
- Building surfaces and using Field-to-Finish
- Generating legal descriptions, legends, and plotted sheets

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This session was presented by Jennifer DiBona on 02/25/2025.

That CAD Girl

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Survey Tools for BricsCAD

A Virtual Webinar Using MicroSurvey and BricsCAD – Learn to Manage Survey Data

This webinar introduces MicroSurvey's *Survey Tools for BricsCAD*, a plugin designed to enhance BricsCAD with advanced survey data management, linework automation, and surface modeling capabilities. Presenter Matt McLean demonstrates how to import survey data, manage points, create surfaces, and export results to Google Earth.

Key Topics:

- Overview of MicroSurvey's Survey Tools plugin for BricsCAD
- Importing and managing survey data (ASCII, FieldGenius, Leica DBX, etc.)
- Creating linework, surfaces, and visualizations within BricsCAD

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This session was presented by Matt McLean on 07/10/2025.

Survey Database and Dynamic Features In AutoCAD Civil 3D

A Virtual Webinar Using AutoCAD Civil 3D – Learn to Manage Survey Databases

This webinar, hosted by That CAD Girl and presented by Elizabeth Valerio from CAD Masters, provided a detailed walkthrough of using the Survey Database and dynamic linework features in AutoCAD Civil 3D. The session covered setup, configuration, automated linework creation, and traverse analysis for survey data management and efficiency.

Key Topics:

- Setting up and managing Civil 3D Survey Databases
- Automated linework and figure prefix databases
- Linework code sets and survey data import
- Traverse analysis and closure error visualization
- CAD Masters training and support services

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This session was presented by Elizabeth Valerio on 03/20/2025.

Standardizing Linetypes, Lineweights & Dimension Styles in CAD

A Virtual Webinar Using CAD – Learn to Standardize CAD Styles

This webinar provides a comprehensive walkthrough of how to standardize line types, line weights, and dimension styles across CAD platforms such as AutoCAD and IntelliCAD. It covers practical tips for creating consistent drawing standards, managing scale factors, customizing line type definitions, and setting up templates for efficient drafting workflows.

Key Topics:

- Understanding and customizing line type definitions (.LIN files)
- Managing line type scales (LTSCALE, PSLTSCALE, PLINEGEN)
- Setting and plotting line weights using CTB files
- Creating and managing dimension styles with scale factors
- Using IntelliCAD Explorer for transferring CAD standards

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This session was presented by Jennifer DiBona on 05/20/2025.

Paper Space and Plotting in CAD

A Virtual Webinar Using CAD – Learn to Improve Paper Space Plotting

This webinar provided a comprehensive walkthrough of paper space, model space, and plotting workflows in CAD (IntelliCAD/AutoCAD). Jennifer DiBona explained how to effectively use layout tabs, create and manage page setups, insert title blocks, and configure viewports for consistent plotting. The session emphasized standardization, efficiency,

and clarity in multi-sheet drawing sets. Key takeaways included how to set up page templates, lock viewport scales, manage layers per viewport, and resolve common plotting issues like line type scaling.

Key Topics:

- Paper Space and Plotting fundamentals in CAD
- Upcoming webinars on Carlson and CAD Tips
- Certificate of Attendance requirements and policies

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This session was presented by Jennifer DiBona on 11/19/2025.

Overview of Paper Space, Title Blocks and Templates in CAD

A Virtual Webinar Using AutoCAD and IntelliCAD – Learn to Standardize Title Blocks

This webinar provides a comprehensive walkthrough of using paper space, title blocks, and templates in CAD environments such as

IntelliCAD and AutoCAD. It explains how to standardize plotting, manage multiple scales, and use sheet sets and fields to automate title block data.

Key Topics:

- Paper space vs. model space fundamentals
- Setting up layouts, viewports, and plot configurations
- Managing title blocks and templates
- Using sheet set manager and fields for automation

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This session was presented by Jennifer DiBona on 04/17/2025.

MicroSurvey Surfacing Operations with MSCAD

A Virtual Webinar Using MicroSurvey – Learn to Create Terrain Models

This webinar, hosted by That CAD Girl and presented by MicroSurvey's Matt McLean, provides a detailed walkthrough of surfacing and contouring operations in MicroSurvey CAD. Attendees learned how to create, configure, and visualize

surfaces, contours, and terrain models using real-world data.

Key Topics:

- Introduction to MicroSurvey CAD and product ecosystem
- Creating and managing surfaces and contours
- Configuration settings for modeling and visualization
- Handling boundaries, breaklines, and point data
- Labeling and smoothing contours

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This session was presented by Matt McLean on 05/22/2025.

Fast Track to Carlson Civil Suite & CADnet – Session #2-3

This training session provides an in-depth walkthrough of Carlson Civil Suite's RoadNet, Hydrology, and CADnet modules, demonstrating practical workflows for road design, storm sewer layout, and converting PDF plans into CAD data. The instructor showcases real-world examples, emphasizing dynamic design updates, data management, and interoperability with Civil 3D and LandXML standards.

Key Topics:

- RoadNet dynamic road design and intersection management
- Storm sewer network setup and hydrology drafting
- Exporting and archiving projects with LandXML
- CADnet tools for PDF-to-CAD conversion and digitizing

- Raster vs. vector PDF handling and troubleshooting

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This session was presented by Jennifer DiBona on 03/14/2024.

Fast Track to Carlson Civil Suite & CADnet – Session #2-2

This training session from *That CAD Girl's Fast Track Carlson Civil Suite & CADnet* series covers creating and editing centerlines, profiles, and road networks using Carlson Civil and Survey. It demonstrates manual and automated design workflows, including RoadNet, profile editing, and template building for roadway design.

Key Topics:

- Centerline and profile creation in Carlson Survey and Civil
- Manual vs. RoadNet-based design workflows
- Profile editing, labeling, and linking data files
- Road network setup, templates, and intersections
- Troubleshooting and known issues in 2023–2024 builds

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This session was presented by Jennifer DiBona on 03/14/2024.

Fast Track to Carlson Civil Suite & CADnet – Session #2-1

This training session provides an in-depth walkthrough of Carlson Civil Suite's LotNet, grading, and 3D design tools, guiding users through lot subdivision, surface modeling, and site grading workflows. It demonstrates how to transition from 2D drafting to 3D design using Carlson Civil's powerful automation and data management features.

Key Topics:

- Carlson LotNet design and configuration
- Transitioning from 2D to 3D design workflows
- Site grading, surface modeling, and volume calculations
- Integration of Survey, Civil, GIS, Hydrology, and CADnet modules

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This session was presented by Jennifer DiBona on 03/14/2024.