

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.

That CAD Girl

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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.

Fast Track to Carlson Civil Suite & CADnet – Session #1-3

This session of the Fast Track Carlson Civil Suite & CADnet training focused on advanced survey and drafting workflows in Carlso

n Survey and Civil, including Field-to-Finish automation, surface modeling, labeling, and subdivision lot management. Participants learned how to streamline data processing from field collection through surface creation and annotation for professional deliverables.

Key Topics:

- Field-to-Finish (FLD) setup and usage
- Surface modeling and non-surface point management
- Annotation, labeling, and line/curve tables
- Lot file and deed file creation and management
- Carlson Survey text and layout utilities

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This session was presented by Jennifer DiBona on 03/12/2024.

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

This session of the Fast Track Carlson Civil Suite & CADnet training provides a detailed walkthrough of GIS data handling, surface modeling, and field-to-finish workflows in Carlson 2023–2024. Participants learned how to import, label, and export GIS data, overlay imagery, create surfaces, and generate legal descriptions and contours.

Key Topics:

- Importing and labeling GIS shapefiles
- Working with Google Earth and Esri imagery
- Creating and editing surfaces from points and breaklines
- Using field-to-finish automation
- Generating legal descriptions and exporting to Google Earth

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This session was presented by Jennifer DiBona on 03/12/2024.

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

This introductory Fast Track training session guides users through the fundamentals of Carlson Civil Suite 2024 and CADnet, including software setup, configuration, interface navigation, and GIS data handling. Participants learn best practices for managing projects, defaults, and data files while exploring key differences between Carlson versions 2023 and 2024.

Key Topics:

- Carlson Civil Suite overview and module structure
- Interface setup, menus, ribbons, and configuration defaults
- Project folder organization and data management

- GIS import workflows and known 2024 issues
- File associations, linking, and coordinate system setup

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This session was presented by Jennifer DiBona on 03/12/2024.

MicroSurvey STARNET Least Squares Analysis

A Virtual Webinar Using MicroSurvey STAR*NET – Learn to Perform Least Squares Analysis

This webinar, hosted by That CAD Girl and presented by MicroSurvey's James Johnston, provides a comprehensive walkthrough of STAR*NET analysis – a leading least squares adjustment software for survey data. The session covers data import, adjustment workflows, error detection, and integration of GPS and conventional survey data for accurate network analysis.

Key Topics:

- Overview of MicroSurvey's product suite
- Introduction to STAR*NET least squares adjustment
- Data import and conversion workflows
- Error detection, residual analysis, and Chi-square testing
- Integration of GPS and conventional survey data
- Output options and reporting tools

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This session was presented by James Johnston on 04/15/2025.