

Fast Track to Carlson Survey – Session #1-2 Recorded 5/14/24

This session from the *Fast Track to Carlson Survey* series provides a detailed walkthrough of configuring Carlson Survey defaults, managing drawings, setting up templates, and handling point data. Participants learn how to optimize their user interface, organize project folders, and prepare templates for efficient field-to-finish workflows.

Key Topics:

- Carlson Configure and Default Settings
- Project and Data Folder Management
- Drawing Templates and Layer Standards
- Point Import, Display, and Annotation
- Field-to-Finish Preparation

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This session was presented by Jennifer DiBona on 05/14/2024.

Elevating Polyline and

Surface Modeling with Carlson Construction and Takeoff

A Virtual Webinar Using Carlson Software – Learn to Build Surface Models

This webinar demonstrates how to elevate 2D polylines into 3D polylines and perform surface modeling using Carlson Construction and Takeoff. Jennifer DiBona walks through practical workflows for cleaning drawings, assigning elevations, building surfaces, and calculating volumes for construction and land development projects.

Key Topics:

- Elevating 2D polylines to 3D for surface modeling
- Using Carlson Civil, Construction, and Takeoff tools
- Drawing cleanup and contour elevation assignment
- Building and analyzing surfaces with SiteNet
- Calculating volumes, materials, and topsoil replacement

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This session was presented by Jennifer DiBona on 03/18/2025.

Fast Track to Carlson Survey – Session #1-1 Recorded 5/14/24

Data workflow, RW5 file handling, and compass-rule and least-squares adjustments for field-to-finish survey data.

Key Topics:

- Using *Edit Process Raw Data* and RW5 file structure
- Import/export of raw data from various instruments
- Compass-rule and least-squares (SNET) adjustments
- Managing control points, side shots, and checkpoints
- Integrating GPS and total-station data
- File management and Carlson Cloud Link for field coordination

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This session was presented by Doug Aaberg on 05/14/2024.

Customizing Title Blocks and

Sheet Set Manager in CAD

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

This webinar teaches CAD professionals how to create and customize title blocks, manage attributes, and automate project data using Sheet Set Manager in AutoCAD and IntelliCAD. Participants learn practical workflows for building reusable templates, defining attributes, and linking fields for efficient project documentation.

Key Topics:

- Creating and managing blocks with attributes
- Using commands like EXPLODE, BURST, and ATTDEF
- Building custom title blocks and templates
- Automating data with fields and Sheet Set Manager
- Managing multi-sheet projects and updating properties globally

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This session was presented by Jennifer DiBona on 10/28/2025.

Case Study for a Sanitary Sewer Collection System

A Virtual Webinar Using Carlson Software – Learn to Design Sanitary Sewer Collection Systems

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provided a detailed case study on designing a sanitary sewer collection system using Carlson Software. The session covered practical workflows, from project setup and Google Earth integration to sewer network creation, labeling, and profile generation.

Key Topics:

- Carlson Sewer Network setup and configuration
- Exporting CAD data to Google Earth
- Sewer design workflow and profile creation
- Managing plan view and profile labels
- Troubleshooting and best practices

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This session was presented by Travis Maxwell on 02/27/2025.

Getting Started in Carlson Session #3-3

Learn how to streamline your surveying workflow with Carlson Survey's deed entry, correlation, and field-to-finish tools. This session covers practical CAD automation techniques for accurate boundary creation, point management, and efficient drafting.

Key Topics:

- Entering and processing deed descriptions
- Correcting closure errors and editing PDD files
- Translating and correlating deed points with field data
- Creating and customizing Field-to-Finish (FLD) files
- Managing point groups, layers, and attributes
- Using 3D Drawing Viewer and Layer Inspector for QA
- Snapping and drafting best practices
- Drawing tangent and non-tangent curves
- Generating legends and using full-name descriptions
- Carlson Survey tips, automation, and workflow optimization

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This session was presented by Jennifer DiBona on 9/18/2025.

Getting Started in Carlson Session #3-2

Learn how to create and customize Carlson drawing templates, manage coordinate and point files, and streamline your CAD workflow. This session covers practical steps for building standards, importing survey data, and preparing for field-to-finish automation.

Key Topics:

- Carlson DWT template creation and customization
- Layer, line type, and text style management
- Importing and editing CRD (coordinate) and point files
- Using IntelliCAD Explorer for layer and block control
- Point groups and description-based organization
- Maintaining data integrity between drawings and CRD files
- Coordinate systems and real-world datum setup
- Field-to-Finish introduction and automation overview

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This session was presented by Jennifer DiBona on 9/18/2025.

Getting Started in Carlson Session #3-1

Learn how to set up and customize Carlson Software with this in-depth training session led by That CAD Girl. Discover best

practices for configuring projects, managing data files, and optimizing your CAD environment for surveying and civil design.

Key Topics Covered:

- Carlson Software installation and startup
- IntelliCAD vs. AutoCAD interface overview
- Using the Start Page, templates, and drawing setup
- Customizing toolbars, ribbons, and menus
- Carlson modules: Survey, Civil, Hydrology, GIS, and more
- Object linking and external data file management (CRD, CL, TIN)
- Project folder organization and subfolder setup
- Dropbox integration for field and office collaboration
- Default drawing settings and coordinate systems
- Accessing help, updates, and version builds
- Saving and sharing configuration files for office standards

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This session was presented by Jennifer DiBona on 9/18/2025.

CAD Tips & Tricks – for AutoCAD and IntelliCAD

A Virtual Webinar Using AutoCAD and IntelliCAD – Improve CAD Block and Layer Workflows

This webinar, hosted by That CAD Girl, explored practical CAD tips and tricks for AutoCAD and IntelliCAD users, focusing on block management, layer control, and dimensioning best practices. The session also previewed upcoming training events and demonstrated how to manage and redefine blocks effectively across CAD platforms.

Key Topics:

- Working with blocks and layer zero behavior
- Managing and redefining blocks in messy drawings
- Using IntelliCAD Explorer and AutoCAD Design Center
- Creating tool palettes and exporting blocks
- Dimensioning techniques and text overrides
- Upcoming webinars and training sessions

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This session was presented by Jennifer DiBona on 08/19/2025.

Fast Track to MicroSurvey Session 2-3

This MicroSurvey CAD training session covers advanced workflows for survey and civil design professionals, focusing on point

management, CAD settings, DTM surface creation, contour generation, and volumetric analysis. The session also includes troubleshooting tips, boundary setup, and an introduction to automated site design tools.

Key Topics:

- CAD settings and PD Mode troubleshooting
- Point Cluster Reports and Point Patterns
- DTM surface creation and editing
- Contour generation, labeling, and smoothing
- Volumetric (cut/fill) calculations
- Auto Site Design and building pad modeling
- MicroSurvey online training resources

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This session was presented by James Johnston on 9/17/2025.