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

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

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

Fast Track to MicroSurvey Session 2-2

This FastTrack MicroSurvey training session, led by James Johnston, provided a detailed walkthrough of construction

workflows in MicroSurvey CAD. Participants learned how to clean up architectural drawings, generate staking points, manage grid lines, and export data efficiently for field use.

Key Topics:

- Drawing cleanup and rescaling workflows
- House placement and lot definition tools
- Grid line and point population automation
- Point pattern, cluster, and QA tools
- Exporting data for field staking and reporting

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

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

CAD and Carlson Tips & Tricks

A Virtual Webinar Using Carlson Software – Improve Deed Boundary Drafting

This Carlson CAD tips and tricks deed boundaries webinar virtual class, from *That CAD Girl* shows how to draft, troubleshoot, and label property boundaries more efficiently. Jennifer walks through both IntelliCAD and Carlson workflows, showing how to draft, troubleshoot, and label property boundaries efficiently.

Key Topics:

- Drawing and editing lines, arcs, and polylines in IntelliCAD
- Entering deed boundaries using CAD coordinates and Carlson deed tools
- Understanding coordinate systems (northing/easting vs. X/Y)
- Processing and troubleshooting deed files for closure accuracy
- Automating lot labeling, area calculations, and setback creation

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

This session was presented by Jennifer DiBona on 10/15/2025.

Fast Track to MicroSurvey Session 2-1

This recorded training session introduces MicroSurvey CAD’s field-to-finish workflows, focusing on AutoMap configuration, point and linework customization, and data import from FieldGenius and Leica Captivate. Instructor James Johnston demonstrates practical setup, symbol scaling, substitution codes, and project management features for survey and construction professionals.

Key Topicss:

- AutoMap field-to-finish setup and customization
- Importing and managing survey data (FieldGenius,

Captivate, ASCII)
- Symbol scaling, substitution codes, and linework generation
- Project management, coordinate editor, and survey groups
- Overview of MicroSurvey product family and online learning resources

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This session was presented by James Johnston on 09/17/2025.

Getting Started with CAD Session #1-3

Learn essential CAD drafting and editing skills with That CAD Girl's *Getting Started with CAD* training series. This session covers practical tools, layer management, and real-world workflows for IntelliCAD, AutoCAD, Carlson, and MicroSurvey users .

Key Topics:

- CAD units and file compatibility
- Distance and inquiry commands (DIST, LIST)
- Object snaps and precision drafting
- Editing tools: MOVE, COPY, TRIM, EXTEND, FILLET
- Selection methods and shortcuts (Window, Crossing, Fence, WP/CP)
- Polylines and PEDIT functions
- Layer creation, organization, and visibility control

- Line types, line weights, and scaling (LTScale, PSLTScale)
- Undo/Redo and command efficiency
- Practical Q&A and troubleshooting tips

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This session was presented by Jennifer DiBona on 09/16/2025.

Getting Started with CAD Session #1-2

Learn the fundamentals of CAD drafting with this training session covering coordinate systems, line commands, and precision tools in IntelliCAD and Carlson. Discover how to use object snaps, polar coordinates, and ortho mode to create accurate, professional drawings efficiently.

Key Topics:

- Introduction to CAD drafting basics
- Coordinate systems (X, Y, and elevation)
- Drawing and editing lines
- Using polar and direct distance entry
- Ortho mode and function key shortcuts (F3, F6, F8)
- Zooming, panning, and navigation tools
- Object snaps and entity snaps (endpoint, midpoint, perpendicular, tangent, intersection, etc.)
- Carlson vs. IntelliCAD line command differences
- Undo/redo and command line operations
- Practical drafting tips for precision and efficiency

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

This session was presented by Jennifer DiBona on 9/16/2025

Getting Started with CAD, Session 1-1

Learn the fundamentals of CAD with That CAD Girl's *Getting Started with CAD* training series. This introductory session covers essential CAD concepts, interface navigation, command-line skills, and best practices for working in Carlson, MicroSurvey, and Civil 3D.

Key Topics:

- Understanding CAD platforms (IntelliCAD vs. AutoCAD)
- Navigating Carlson, MicroSurvey, and Civil 3D interfaces
- Using workspaces, ribbons, and toolbars effectively
- Command-line basics and shortcut aliases
- File management, auto-save, and backup strategies
- Customizing options and display settings
- Status bar tools and function key shortcuts
- Drawing settings, units, and coordinate systems
- Line vs. Polyline fundamentals
- UCS icon setup and coordinate orientation

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This session was presented by Jennifer DiBona on 9/16/2025

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.

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

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

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

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.