

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

Recorded 5/23/23

This recorded training session from *That CAD Girl* provides a detailed walkthrough of surface modeling, annotation, and 3D data workflows in Carlson Civil Suite and CADnet. It covers best practices for building surfaces, checking elevation data, applying field-to-finish codes, and using 3D tools for grading and modeling efficiency.

Key Topics:

- Building and validating surfaces from points and breaklines
- Using 3D Viewer and Shrink Wrap Entities for surface checks
- Field-to-Finish setup and non-surface point management
- Contour creation, labeling, and annotation techniques
- 3D data tools: elevating polylines, pad creation, and slope-based point generation

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This session was presented by Jennifer DiBona on 05/23/2023.

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

Recorded 05/23/2023

This training session provides an in-depth walkthrough of Carlson Civil Suite's CADnet, Survey, and Civil modules, focusing on area layout, lot creation, labeling, deed file processing, and field-to-finish automation. The instructor demonstrates practical workflows for linking external data, managing lot networks, and generating legal descriptions efficiently.

Key Topics:

- Area layout and labeling techniques
- Lot file and deed file creation and management
- LotNet design automation and editing
- Legal description writer and reporting
- Field-to-Finish point processing and layer management

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This session was presented by Jennifer DiBona on 05/23/2023.

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

Recorded 5/23/2023

This training session introduced participants to the Carlson Civil Suite and CADnet software, focusing on setup, configuration, and foundational workflows in Carlson Survey, Civil, Hydrology, GIS, and CADnet. The instructor demonstrated key menus, data management practices, and GIS integration techniques for efficient civil engineering and surveying workflows.

Key Topics:

- Overview of Carlson Civil Suite modules and environment setup
- Managing templates, layers, and project data folders
- Carlson Configure settings and defaults
- GIS data import, editing, and visualization
- Integration with Google Earth and Esri imagery

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This session was presented by Jennifer DiBona on 05/23/2023.

Site Project Grading from Start to Finish

Recorded 10/18/2023

This webinar provides a complete walkthrough of grading a site project using Carlson Civil, from initial setup and data preparation to creating surfaces and calculating volumes. It demonstrates practical workflows for converting 2D linework into 3D models, managing elevation data, and producing accurate grading surfaces for construction and design.

Key Topics:

- 2D to 3D polyline conversion methods
- Building pad and curb grading techniques
- Surface modeling and volume calculations

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This session was presented by Jennifer DiBona on 10/18/2023.

Process and Adjustments in the

Edit-Process Raw Data Editor Recorded 8/16/2023

This webinar, led by Doug Oberg from Carlson Software, provides an in-depth walkthrough of processing and adjusting survey data using the *Edit Process Raw Data Editor* in Carlson Survey. Attendees learn how to manage raw data files, perform compass rule adjustments, handle GPS integration, and troubleshoot common field-to-office workflows.

Key Topics:

- Using the Edit Process Raw Data Editor in Carlson Survey
- Managing RW5 raw data files and import formats
- Compass rule and angle balance adjustments
- Integration of GPS and total station data
- Troubleshooting, checkpoints, and reporting settings

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This session was presented by Doug Aaberg on 08/16/2023.

Overview of Carlson Field to

Finish

Recorded 5/10/2023

This webinar provides a detailed walkthrough of Carlson Software's Field to Finish feature, explaining how survey data collected in the field can be automatically processed into CAD drawings with appropriate layers, symbols, and linework. Participants learn how to create and manage FLD files, field codes, and special codes to streamline drafting and surface modeling.

Key Topics:

- Field to Finish concepts and workflow
- Creating and editing FLD files and field codes
- Managing layers, symbols, and attribute layouts
- Using special codes for descriptions and linework
- Handling 2D vs 3D polylines and surface break lines

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This session was presented by Jennifer DiBona on 05/10/2023.

Migration from Civil3d to Carlson 2023 for Engineers

Recorded 7/26/2023

This webinar, led by Travis Maxwell and hosted by That CAD Girl, provides a detailed walkthrough of migrating from Autodesk Civil 3D to Carlson 2023. It covers practical workflows, compatibility issues, and best practices for engineers transitioning CAD environments.

Key Topics:

- Transition strategy from Civil 3D to Carlson
- File compatibility and conversion tools
- Managing fonts, shapes, and proxy entities
- Surface modeling and grading workflows
- Customization and template recreation

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This session was presented by Travis Maxwell on 07/26/2023.

Features of Carlson Survey & Civil – Setting Points and Stakeout

Recorded 3/14/2023

This webinar provides a detailed walkthrough of Carlson Survey and Civil tools for setting points, managing field-to-finish workflows, and performing stakeout operations. Participants learn practical tips for configuring settings, creating and editing points, interpolating elevations, and leveraging automation to improve CAD productivity.

Key Topics:

- Carlson Survey and Civil point creation and management
- Field-to-Finish (FLD) file setup and usage
- Create Points from Entities and Interpolation tools
- Building offsets, envelopes, and stakeout workflows
- Integration of profiles and centerlines for civil design

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This session was presented by Jennifer DiBona on 03/14/2023.

Evaluating Pipe Network Capacity

Recorded 4/26/2023

This webinar, hosted by That CAD Girl and presented by Travis, provided a detailed walkthrough of evaluating water system capacity using Carlson Software's Pressure Pipe Network tools integrated

ed with EPA Net. Attendees learned how to model, analyze, and verify water distribution systems for pressure and flow performance.

Key Topics:

- Setting up and editing utility and pressure pipe networks in Carlson
- Exporting and validating models in EPA Net
- Performing fire flow and pressure analyses
- Troubleshooting connection and modeling issues
- Interpreting hydraulic grade line (HGL) and head loss results

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This session was presented by Travis Maxwell on 04/26/23.

Advanced Road Network Recorded 5/11/2023

This webinar, hosted by That CAD Girl and presented by Travis, provides an in-depth look into advanced features of Carlson RoadNet. It covers dynamic road network setup, template configuration, curb ramps, cul-de-sacs, lot grading, and troubleshooting techniques for civil desi

gn professionals.

Key Topics:

- Dynamic Carlson RoadNet setup and configuration
- Advanced template creation and transitions
- Curb ramps, cul-de-sacs, and hammerhead intersections
- Lot grading and building pad elevation
- Troubleshooting and optimization best practices

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This session was presented by Travis Maxwell on 05/11/2023.