

# Fast Track with Carlson Civil Suite and CADnet – Session #2-3

**Recorded 05/25/2023**

This training webinar provides a practical walkthrough of Carlson Civil Suite's Hydrology and CADnet modules, focusing on drafting storm-sewer networks, creating profiles, and converting or digitizing PDF and raster data into CAD. Participants learn how to manage surfaces, pipe networks, and image-to-CAD workflows for design and takeoff applications.

## **Key Topics:**

- Carlson Hydrology: storm-sewer network drafting and setup
- Sewer network profiles, surfaces, and pipe settings
- Carlson CADnet: converting PDFs and raster images to CAD
- Digitizing and scaling images for takeoff and modeling

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

This session was presented by Jennifer DiBona on 05/25/2023.

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# Fast Track to Carlson Civil

# Suite and CADnet – Session #2-2

## Recorded 5/25/2023

This training session continues the *Fast Track to Carlson Civil Suite* series, focusing on creating and managing centerlines, profiles, and road networks using Carlson Civil and CADnet. Participants learn how to manually build alignments, profiles, and templates before automating workflows with Carlson's Road Network tools.

### Key Topics:

- Creating and managing centerlines and profiles
- Using Carlson configuration and project folder structures
- Building and editing road templates and networks
- Generating surfaces, cross sections, and earthwork volumes

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This session was presented by Jennifer DiBona on 05/25/2023.

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

# Recorded 5/25/23

This training session provides an in-depth walkthrough of Carlson Civil Suite and CADnet tools, focusing on site grading, surface modeling, and the SiteNet module for quantity takeoff and surface management. Participants learned how to model proposed grading, manage surfaces, calculate volumes, and create subgrade and topsoil reports using Carlson Civil's advanced features.

## Key Topics:

- Site grading and 3D polyline modeling
- Surface creation and volume calculations
- Carlson Civil vs. Carlson Survey functionality
- SiteNet setup, layer management, and material quantity reporting
- Topsoil removal and replacement workflows

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This session was presented by Jennifer DiBona on 05/25/2023.

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## 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.

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## 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.

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# 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.

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# 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.*

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## 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.*

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## 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.*

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# 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

ty 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.*