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

A Virtual Classroom Using Carlson Civil Suite and CADnet – Create Surfaces and Prepare Site Grading

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

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

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

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

A Virtual Classroom Using Carlson Civil Suite and CADnet – Build Lot Layout and Field-to-Finish Workflows

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

A Virtual Classroom Using Carlson Civil Suite and CADnet – Learn Setup, Configuration and Data Organization

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

A Virtual Webinar Using Carlson Civil – Learn Site Project Grading

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:

- Initial setup and data preparation
- 2D to 3D polyline conversion methods
- Managing elevation data
- Building pad and curb grading techniques
- Surface modeling
- 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

A Virtual Webinar Using Carlson Survey – Learn Raw Data Adjustments

This webinar, presented by Doug Aaberg 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 import raw data, edit observations and run adjustments before writing results to the coordinate file.

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

A Virtual Webinar Using Carlson Software – Learn Field to Finish Workflows

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 Civil 3D to Carlson 2023 for Engineers

A Virtual Webinar Using Carlson Software – Learn Civil 3D Migration Workflows

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.

How does Today’s IntelliCAD handle…?

A Virtual Webinar Using IntelliCAD – Learn to Work with Annotative Text, Multileaders and Dynamic Blocks

This webinar explores how modern IntelliCAD performs when running Carlson Software, comparing its current features to AutoCAD’s and highlighting major improvements since earlier versions. It demonstrates annotative text, multi-leaders, dynamic block handling, X-ref editing and the Sheet Set Manager to help CAD professionals streamline drafting workflows.

Key Topics:

- Annotative text setup and scaling
- Multi-leaders and annotation tools
- Dynamic blocks and visibility parameters
- Block and X-reference editing in place
- Sheet Set Manager and title-block automation

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This session was presented by Jennifer DiBona on 04/13/2023.

Features of Carlson Survey & Civil – Setting Points and Stakeout

A Virtual Webinar Using Carlson Software – Learn Point Setup and Stakeout

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

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

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

Evaluating Pipe Network Capacity

A Virtual Webinar Using Carlson Software – Evaluate Pipe Network Capacity

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 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 resu lts

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This session was presented by Travis Maxwell on 04/26/2023.