6 Sessions: Fast Track to Carlson Civil Suite and CADnet

A Virtual Classroom introducing Carlson Civil Suite and CADnet workflows for survey projects, GIS data, site grading, road design and plan preparation

Fast Track to Carlson Civil Suite and CADnet with Jennifer DiBona connects survey, civil design and GIS tools through project examples. Day 1 covers Carlson setup and GIS data, deeds and lots, Field-to-Finish and surface modeling. Day 2 demonstrates SiteNet grading and quantities, centerlines and profiles, RoadNet design, storm network drafting and CADnet PDF import and digitizing.

Key Topics:

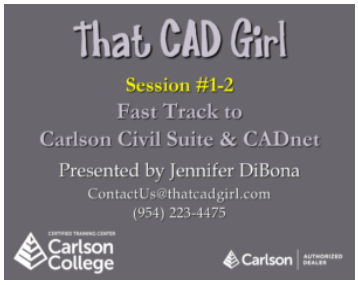
- Carlson configuration, object linking, data folders and saved project settings
- Carlson GIS shapefile imports, attribute queries, labels and background imagery
- Carlson deed processing, legal descriptions, lot files, setbacks and LotNet layout
- Carlson survey point import, Field-to-Finish codes, annotation and drawing orientation
- Carlson surface checks, non-surface points, shrink-wrap boundaries, triangulation and contours
- Carlson 2D to 3D polylines, building pads, breaklines and

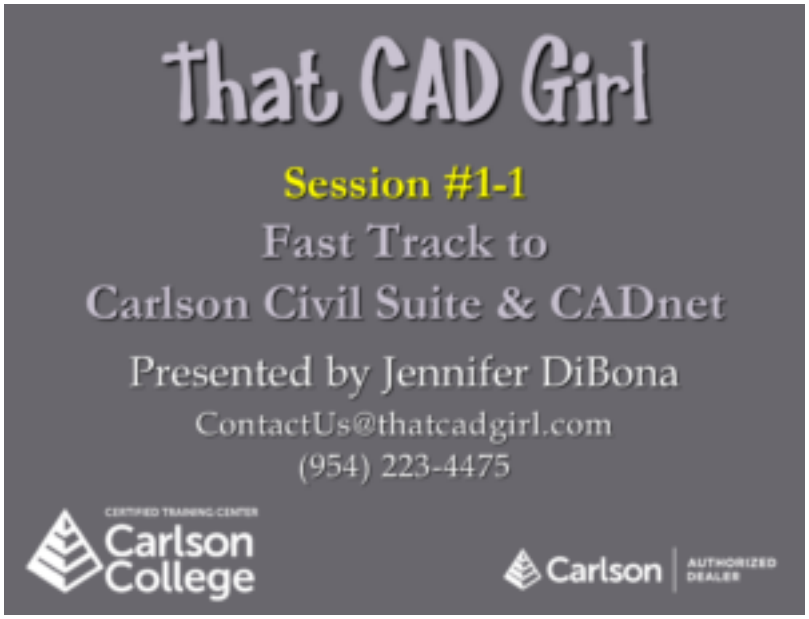
site grading
- Carlson SiteNet layer targets, materials, subgrades, topsoil adjustments and cut/fill reports
- Carlson centerlines, profiles and RoadNet templates, intersections and cul-de-sacs
- Carlson Hydrology storm structures, pipe networks, tables and profile drafting
- Carlson CADnet raster and vector PDFs, image merging, scaling and contour digitizing

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

These sessions were presented by Jennifer DiBona.

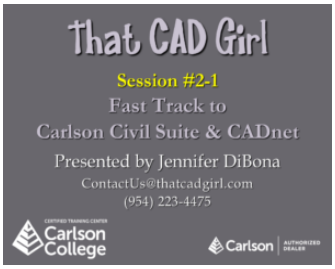
Jennifer DiBona introduces Civil Suite setup, modules, project data and GIS integration.Jennifer DiBona covers area and lot layout, deed files, LotNet and Field-to-Finish.





Jennifer DiBona builds and checks surfaces,

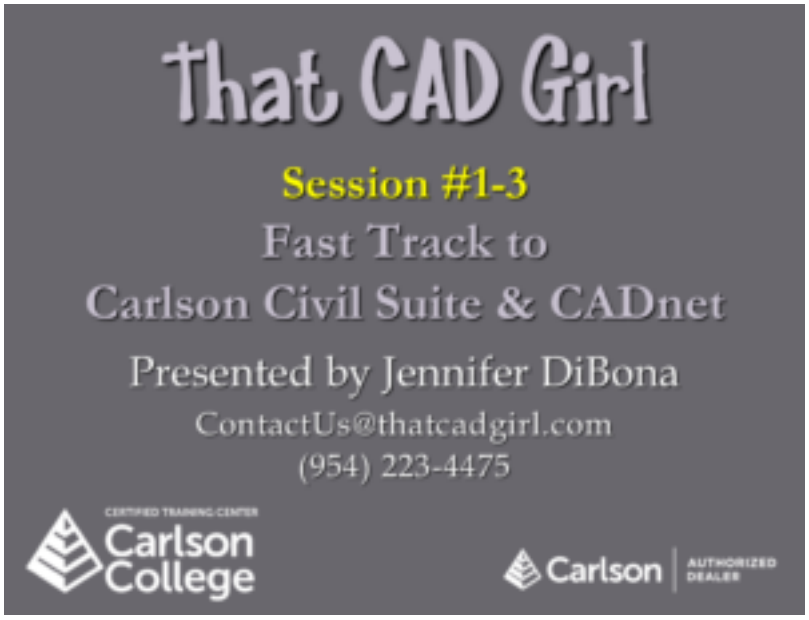
contours,annotationand3Dpolyline tools.Jennifer DiBona grades sites, manages surfaces and reports SiteNet quantities and



topsoil. Jennifer DiBona creates centerlines, profiles, templates and RoadNet road designs.Jennifer DiBona drafts storm networks and uses CADnet to convert PDFs and



rasters into CAD.





Fast Track to Carlson Civil Suite and CADnet:

Session #2-3

A Virtual Classroom Using Carlson Civil Suite and CADnet – Draft Hydrology Networks and Digitize CADnet Plans

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

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

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

A Virtual Classroom Using Carlson Civil Suite and CADnet – Design Roads with Profiles and RoadNet

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.

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

A Virtual Classroom Using Carlson Civil Suite and CADnet – Calculate Grading Volumes and SiteNet Quantities

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.

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

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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

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.