

Site Project Grading from Start to Finish

A Virtual Webinar Using Carlson Software – Learn to Complete Site Grading

This webinar demonstrates a complete site-grading workflow in Carlson Civil and IntelliCAD, from setting up surfaces and elevating building pads to creating 3D polylines, grading slopes, and calculating earthwork volumes. It provides step-by-step instruction for converting 2D plans into accurate 3D models suitable for construction takeoff and design verification.

Key Topics:

- Carlson Civil / IntelliCAD setup and configuration
- Creating and editing 2D and 3D polylines for grading
- Building pads, curbs, and pavement elevations
- Surface creation, triangulation, and contour analysis
- Daylighting to existing ground and balancing cut/fill volumes

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This session was presented by Jennifer DiBona on 07/14/2020.

Site Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Improve Site Grading

This webinar by That CAD Girl focuses on best practices for editing surfaces in Carlson Software, emphasizing the difference between temporary surface edits and permanent surface definition changes. The session includes demonstrations of triangulation, contouring, breaklines, non-surface points, and field-to-finish workflows for accurate site grading models.

Key Topics:

- Editing surfaces vs. editing surface definitions
- Triangulation, contours, and breaklines
- Tagging non-surface points and using field-to-finish
- Managing surface rebuilds and protecting edits
- Shrink-wrap boundaries and inclusion/exclusion areas

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This session was presented by Jennifer DiBona on 02/19/2020.

Sheet Setup with Paper Space, DView and UCS Rotation

A Virtual Webinar Using CAD – Learn to Set Up Sheets

This Carlson Software training webinar explains how to set up drawing sheets in Paper Space, create and manage viewports, control drawing scales, and use DView and UCS rotations for plan and profile sheet layouts. It provides a detailed, step-by-step walkthrough of best practices for plotting, scaling, and managing multiple layout tabs in Carlson Survey 2020 with IntelliCAD.

Key Topics:

- Paper Space fundamentals and layout setup
- Creating and locking viewports
- Managing drawing scales and line-type scales (LT Scale / P SLT Scale)
- DView Twist and UCS Rotation for plan/profile alignment
- Layer visibility control per viewport
- Batch plotting and page setup management

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This session was presented by Jennifer DiBona on 07/28/2020.

Overview of Carlson's Point Cloud Manipulation Programs

A Virtual Webinar Using Carlson Software – Learn to Manipulate Point Clouds

This recorded presentation by That CAD Girl provides a comprehensive overview of Carlson Civil Suite 2020, including Survey, Civil, Hydrology, and GIS modules. It covers licensing, compatibility with AutoCAD and IntelliCAD, data management, field-to-finish workflows, surface modeling, road design, and hydrology tools for civil engineering and surveying professionals.

Key Topics:

- Carlson Software overview and company background
- Licensing, maintenance, and installation options
- IntelliCAD vs. AutoCAD platform compatibility
- Field-to-Finish and surface modeling workflows
- Civil design tools: centerlines, profiles, grading, road networks
- GIS integration and imagery import
- Hydrology and sewer network design

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This session was presented by Steve Cummings, Tyler Faulkner, Gavin Franklyne, Gordon Pollock, Julian Ruiseco, on 10/08/2020.

Overview of Carlson Takeoff

A Virtual Webinar Using Carlson Software – Learn to Manage Takeoff Workflows

This webinar provides a comprehensive overview of Carlson Takeoff and the Takeoff Suite, explaining how construction and civil design professionals can use the software for estimating, modeling, and quantity takeoffs. It covers product differences, pricing, module functions, and step-by-step demonstrations of CAD Net, Construction, Geotech, and Trench tools.

Key Topics:

- Carlson Takeoff vs Civil Suite capabilities
- CAD Net digitizing and PDF vectorization
- Drawing cleanup and elevation tools
- Model building for machine control and quantity reports

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This session was presented by Jennifer DiBona on 10/30/2020.

Overview of Carlson CADNet

A Virtual Webinar Using Carlson Software – Learn to Improve CADNet Workflows

This webinar provides an in-depth overview of Carlson CAD Net, a module in Carlson's Pick 6 suite designed for converting, merging, and digitizing raster and vector data within CAD environments. The session demonstrates how to import PDFs, merge images, scale drawings, and convert raster data to usable CAD entities for takeoff and design workflows.

Key Topics:

- Converting PDFs to TIFFs and importing them into CAD
- Merging raster images and scaling drawings accurately
- Digitizing contours and surfaces for takeoff and design
- Understanding raster vs. vector data
- Exporting and importing between CAD and BIM (IFC) formats

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This session was presented by Jennifer DiBona on 01/27/2020.

More Surfaces, Volumes Editing and Display Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Improve Surface Volume Workflows

This webinar from That CAD Girl provides an in-depth demonstration of Carlson Civil's surface and volume modeling tools. It covers practical workflows for viewing, editing, merging, and analyzing TIN files, as well as tips for grading, slope analysis, and cut/fill reporting.

Key Topics:

- Working with Carlson TIN (triangulation) files
- Surface viewing, editing, and boundary management
- Creating and comparing surfaces for grading and volume calculations
- Importing data from the National Elevation Dataset (NED)
- Cut/fill analysis, slope reporting, and LandXML export

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This session was presented by Jennifer DiBona on 03/24/2020.

Introduction to Carlson Software-Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This webinar introduces new and existing users to Carlson Software's desktop environment, focusing on configuration, settings management, and point handling. It covers interface customization, project folder structures, templates, and best practices for managing data and drawing standards.

Key Topics:

- Carlson Software user interface and configuration
- Project and data folder setup
- Drawing templates and settings files
- Managing and editing points (CRD files)
- Linking data, scaling, and annotation standards

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This session was presented by Jennifer DiBona on 11/02/2020.

Introduction to Carlson Software-Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Point

This webinar provides a comprehensive introduction to Carlson Software, focusing on configuration, settings management, and point data handling. Participants learn how to set up projects, manage templates, configure defaults, and work efficiently with Carlson's survey and civil design tools.

Key Topics:

- Carlson Software interface and configuration
- Setting up projects, data, and settings folders
- Creating and using templates (DWT files)
- Managing points, CRD files, and drawing setup
- Understanding scales, symbols, and annotation standards

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This session was presented by Jennifer DiBona on 10/07/2020.

Introduction to Carlson Software-Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Points

This introductory webinar walks new Carlson Software users through essential setup and configuration steps, including interface customization, project folder management, template creation, and point handling. It provides practical guidance on organizing data, defining defaults, and using Carlson's drawing and coordinate tools efficiently.

Key Topics:

- Carlson Software interface and configuration basics
- Project and data folder setup
- Drawing templates and default settings
- Point file management and import/export
- Troubleshooting and technical support tips

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This session was presented by Jennifer DiBona on 09/02/2020.