

Site Grading Case Study for 36,000 SF Warehouse

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

The webinar features Travis Maxwell discussing a warehouse project in North Carolina. He explains grading techniques, including site layout and design, and shares tools for grading like topography import and contour creation. Travis highlights the effectiveness of Civil This webinar features professional engineer Travis Maxwell demonstrating efficient grading techniques in Carlson Software for a 36,000 sq ft warehouse site. He walks through balancing cut/fill, using RoadNet and pad templates, and optimizing surfaces for storm-water design and machine control.

Key Topics:

- Importing and simplifying Google-based topography
- Using pad templates to find site balance elevations
- Applying RoadNet for curved drives and parking areas
- Creating 3D polylines for split-level buildings and docks
- Comparing Carlson Software vs Civil 3D for complex terrain
- 3D for simple projects and contrasts it with Carlson for precision in complex terrains

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This session was presented by Travis Maxwell on 05/23/2024.

That CAD Girl

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Sanitary Sewer Pump Station Design in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Pump Stations

This webinar provides a detailed walkthrough of designing sanitary sewer pump stations using Carlson Hydrology and Structure tools. Presenter Travis demonstrates how to calculate

system and pump curves, size wet wells, and integrate Excel-based calculations with Carlson's Lift Station Design command.

Key Topics:

- Carlson Hydrology Lift Station Design tool
- Pump and system curve calculations
- Wet well sizing and float switch configuration
- Flow estimation for residential and commercial systems
- Common design pitfalls and troubleshooting

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This session was presented by Travis Maxwell on 04/10/2024.

Pond Design with Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Stormwater Ponds

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a detailed walkthrough of pond design using Carlson Software. It covers grading techniques, pond creation, linki

ng to HydroNET models, and practical tips for efficient hydrology workflows.

Key Topics:

- Pond grading and design using Carlson's Pond Grader and Bench Pond tools
- Linking pond storage files to HydroNET for stormwater modeling
- Troubleshooting grading errors and optimizing workflows
- Upcoming webinars and training opportunities

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This session was presented by Travis Maxwell on 02/23/2024.

Paper Space, Title Blocks & Templates

A Virtual Webinar Using Carlson and AutoCAD – Learn to Streamline CAD Production

This webinar, hosted by That CAD Girl, provides a comprehensive walkthrough of using paper space, title blocks, and

templates in Carlson and AutoCAD. It covers best practices for layout setup, viewport management, scaling, plotting, and sheet set organization to streamline CAD production workflows.

Key Topics:

- Paper space vs. model space fundamentals
- Layout tab setup and page configuration
- Viewports, scaling, and locking techniques
- Managing layers, line types, and rotations
- Using Sheet Set Manager and drawing templates

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This session was presented by Jennifer DiBona on 04/09/2024.

Overview of Carlson Point Clouds

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

This Carlson CAD Solutions webinar, led by Doug Oberg, provided a detailed overview of Carlson Point Clouds software, demonstrating how surveyors can use it to process, clean, and

extract data from LiDAR and drone-based point clouds. The session covered both basic and advanced modules, including workflows for creating surfaces, extracting features, and integrating with CAD.

Key Topics:

- Introduction to Carlson Point Clouds and workflow integration with CAD
- Importing and managing LiDAR and drone data
- Creating bare earth models and virtual surveys
- Feature extraction tools (curbs, sidewalks, parking lines)
- Field-to-finish and surface modeling techniques

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This session was presented by Doug Aaberg on 10/24/2024.

Overview of Carlson Field to Finish

A Virtual Webinar Using Carlson Software – Learn to Automate Field

Data Drafting

This webinar provides a comprehensive walkthrough of Carlson Software's *Field to Finish* feature, demonstrating how to automate point processing, symbol insertion, and linework generation from field data. Attendees learn how to configure FLD files, manage layers, and apply coding standards to streamline survey drafting and surface modeling.

Key Topics:

- Field to Finish fundamentals and FLD file setup
- Layer management and symbol configuration
- Point labeling, attribute layers, and raw vs. full descriptions
- Special codes for linework (BEG, END, PC, PT, etc.)
- Handling default codes, sizes, and descriptive modifiers

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This session was presented by Jennifer DiBona on 02/14/2024.

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

Recording 2/1/2024

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

This introductory Carlson Software webinar, hosted by That CAD Girl, walks new users through key setup and configuration steps for Carlson Survey and Civil modules. It covers interface customization, project folder organization, configuration management, and working with points and templates for consistent CAD standards.

Key Topics:

- Carlson Software interface and configuration basics
- Project and data folder setup
- Managing builds, updates, and technical support
- Drawing templates and default settings
- Creating, importing, and editing points

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This session was presented by Jennifer DiBona on 02/01/2024.

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 returning users to Carlson Software 2025, covering interface navigation, configuration defaults, project folder organization, and drawing templates. Participants learn how to customize settings, manage data files, and create reusable templates for consistent CAD standards.

Key Topics:

- Carlson Software 2025 interface overview
- Configuring default settings and project folders
- Creating and managing drawing templates
- Importing and displaying survey points
- Understanding object linking and data management

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This session was presented by Jennifer DiBona on 09/03/2024.

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 Carlson Software users to key setup and configuration concepts, including interface customization, data folder management, drawing templates, and point handling. Jennifer DiBona demonstrates how to optimize Carlson 2025 for efficient project organization and consistent CAD standards.

Key Topics:

- Carlson 2025 installation and interface overview
- Configuration of general, project, and drawing settings
- Creating and customizing drawing templates (DWT files)
- Managing points, coordinate files, and text styles

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This session was presented by Jennifer DiBona on 08/06/2024.

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

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

This introductory Carlson Software webinar walks new and existing users through essential setup and configuration steps, including user interface customization, project folder structures, default settings, and point management. The session also covers creating templates, managing data files, and best practices for maintaining consistent CAD environments.

Key Topics:

- Carlson Software user interface and configuration
- Project and data folder organization
- Default drawing and survey settings
- Creating and customizing drawing templates
- Importing and managing survey points

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This session was presented by Jennifer DiBona on 06/04/2024.