

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, linking 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.

Designing in Steep Terrain with Carlson Civil

A Virtual Webinar Using Carlson Software – Learn to Design Steep Terrain Roads

This webinar, *Designing in Steep Terrain with Carlson Civil*, presented by Travis Maxwell, explores practical techniques for designing roads and grading projects on steep slopes using Carlson Civil's RoadNET tools. It covers terrain modeling, template setup, drainage considerations, and workflow optimizations for mountainous or hilly environments.

Key Topics:

- Road design strategies for steep terrain
- Carlson Civil RoadNET templates and transitions
- Surface modeling and grid optimization
- Drainage and erosion control on steep slopes
- Practical grading and construction considerations

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This session was presented by Travis Maxwell on 01/29/2024.

Creating Slope Maps for Residential Developments

A Virtual Webinar Using Carlson Software – Learn to Create Slope Maps

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, demonstrates how to create slope maps for residential development using Carlson Software. The session covers both TIN and grid-based methods, data preparation, and troubleshooting large terrain datasets for planning and subdivision design.

Key Topics:

- Creating slope maps in Carlson Software
- Comparing TIN vs. grid methods
- Managing large terrain datasets and point clouds
- Using Google Earth and DEM data imports
- Applying slope analysis and color zoning

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This session was presented by Travis Maxwell on 09/12/2024.

Basics of Road Design in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Roads

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a step-by-step introduction to road design using Carlson Software. It covers essential workflows including drawing setup, creating centerlines, profiles, templates, intersections, and cul-de-sacs for civil design projects.

Key Topics:

- Carlson drawing setup and coordinate systems
- Creating and managing road centerlines and profiles
- Building and editing templates for pavement, curbs, and grading
- Handling intersections and cul-de-sacs
- Using Google surfaces for preliminary design

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This session was presented by Travis Maxwell on 03/15/2024.

Tips & Tricks in Carlson Software

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

This Carlson Software Tips & Tricks webinar, led by Travis Maxwell and hosted by That CAD Girl, demonstrated practical CAD file cleanup, drawing management, and grading workflows within Carlson Civil and Survey. The session also showcased how AI tools can accelerate deed entry and coordinate generation for survey projects.

Key Topics:

- Cleaning and standardizing CAD drawings
- Managing layers, text styles, and blocks
- Handling corrupt or messy manufacturer details
- Grading and retaining wall design techniques
- Using AI (ChatGPT) for deed parsing and coordinate creation

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This session was presented by Travis Maxwell on 02/11/2025.

Tips & Tricks in Carlson Software

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

This webinar, led by Travis Maxwell, PE, explores new features and practical workflows in Carlson Software 2025 and IntelliCAD 12.1. Topics include dynamic blocks, improved publishing tools, RoadNet enhancements, and best practices for managing fonts, scales, and line types.

Key Topics:

- IntelliCAD 12.1 new features and interface improvements
- Carlson Civil 2025 updates (RoadNet, curb ramps, grading objects)
- Dynamic blocks and layout management
- Font compatibility and text scaling best practices
- Publishing and plotting enhancements

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This session was presented by Travis Maxwell on 01/29/2025.

Case Study for a Sanitary Sewer Collection System

A Virtual Webinar Using Carlson Software – Learn to Design Sanitary Sewer Collection Systems

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provided a detailed case study on designing a sanitary sewer collection system using Carlson Software. The session covered practical workflows, from project setup and Google Earth integration to sewer network creation, labeling, and profile generation.

Key Topics:

- Carlson Sewer Network setup and configuration
- Exporting CAD data to Google Earth
- Sewer design workflow and profile creation
- Managing plan view and profile labels
- Troubleshooting and best practices

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This session was presented by Travis Maxwell on 02/27/2025.

Conversion of Outside Drawings to Company Cad Standards

A Virtual Webinar Using Carlson Software – Convert Outside Drawings to Standards

This webinar provides a detailed walkthrough of how to convert external CAD drawings into company-standard formats using Carlson Software. It covers fonts, line types, layer translation, Civil 3D object conversion, and best practices for maintaining consistent CAD standards across projects.

Key Topics:

- Managing and correcting missing fonts and text styles
- Handling line types, LT scale, and custom line type creation
- Using layer translation tools and spreadsheets for CAD standardization
- Importing and cleaning Civil 3D drawings and Xrefs
- Troubleshooting slow saves, plotting issues, and font substitutions

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This session was presented by Travis Maxwell on 01/18/2023.