

# Stormwater Channel Design in Carlson Software Recorded 10/25/2023

## A Virtual Webinar Using Carlson Software – Design Stormwater Channels

This webinar, hosted by That CAD Girl and presented by Travis, provides a detailed walkthrough of stormwater channel design using Carlson Software. It covers hydraulic principles, channel stability analysis, and practical workflows for grading and modeling swales within Carlson Civil and Hydrology modules.

### Key Topics:

- Fundamentals of open channel hydraulics and design equations
- Using Carlson Software tools for channel and liner design
- Practical workflow for grading swales and calculating flow parameters
- Shear stress, velocity, and lining stability analysis
- Integration of hydrology tools for watershed and flow calculations

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

*This session was presented by Travis Maxwell on 10/25/2023.*

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## **Stormwater and Sewer As-builts the Quick and Easy Way**

### **A Virtual Webinar Using Carlson Hydrology – Create Stormwater Sewer As-Builts**

This webinar, presented by That CAD Girl and Carlson Software's Travis, demonstrates a streamlined method for creating stormwater and sewer as-builts using Carlson Hydrology's Storm/Sewer Network tools. The session walks through data import, surface creation, network setup, and profile generation to simplify as-built workflows for engineers and surveyors.

## Key Topics:

- Efficient workflow for storm and sewer as-builts
- Carlson Hydrology and Storm/Sewer Network setup
- Data import, 3D polylines, and profile generation
- Field-to-Finish integration and manual editing techniques
- Upcoming That CAD Girl training sessions

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

*This session was presented by Travis Maxwell on 07/12/2023.*

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# **Migration from Civil3d to Carlson 2023 for Engineers Recorded 7/26/2023**

## **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.*

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# 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 results

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

*This session was presented by Travis Maxwell on 04/26/23.*

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# Advanced Road Network

## A Virtual Webinar Using Carlson RoadNet – Learn Advanced Road Network Design

This webinar, hosted by That CAD Girl and presented by Travis, provides an in-depth look into advanced features of Carlson RoadNet. It covers dynamic road network setup, template configuration, curb ramps, cul-de-sacs, lot grading, and troubleshooting techniques for civil design professionals.

## Key Topics:

- Dynamic Carlson RoadNet setup and configuration
- Advanced template creation and transitions
- Curb ramps, cul-de-sacs, and hammerhead intersections
- Lot grading and building pad elevation
- Troubleshooting and optimization best practices

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

*This session was presented by Travis Maxwell on 05/11/2023.*

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# **Introduction to Carlson Software – Settings Setup Configuration & Points Recorded 7/6/2023**

## **A Virtual Webinar Using Carlson Software – Learn Settings Configuration and Points**

This webinar introduces new and returning users to Carlson Software, focusing on essential CAD operations, configuration settings, and point management. Presenter Travis Maxwell demonst

rates practical workflows, shortcuts, and setup tips to optimize productivity in Carlson Civil Suite and Survey modules.

**Key Topics:**

- Carlson Software setup and configuration
- CAD basics and command shortcuts
- Point file management and coordinate systems
- Layer control, text editing, and plotting
- Importing Civil 3D data and handling fonts

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*This session was presented by Travis Maxwell on 07/06/2023.*

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# **Introduction to Carlson Software – Settings Setup Configuration & Points**

## **A Virtual Webinar Using Carlson Software – Learn Setup Configuration**

# and Points

This webinar introduces new and existing users to Carlson Software, focusing on setup, configuration, and point management. Travis walks through essential settings, file organization, projections, tool palettes, and workflows for efficient CAD and civil design work.

## Key Topics:

- Carlson Software setup and configuration
- Drawing and projection settings
- Tool palettes, layers, and CAD standards
- Importing and managing point data
- Workflow optimization and training options

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*This session was presented by Travis Maxwell on 05/04/2023.*

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# Introduction to Carlson Software – Settings Setup Configuration & Points

# Recorded 4/6/2023

## A Virtual Webinar Using Carlson Software – Learn Settings Setup and Points

This webinar introduces new and intermediate users to Carlson Software's setup, configuration, and point management tools. Trainer Travis Maxwell demonstrates how to create and configure drawings, import survey data, manage coordinate files, and integrate Google Earth imagery and surfaces for civil and survey workflows.

### Key Topics:

- Carlson Software setup and configuration
- Coordinate files and point import workflows
- Using Google Earth imagery and surfaces
- Layer management and drawing tools
- Common settings and troubleshooting tips

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*This session was presented by Travis Maxwell on 04/06/2023.*

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# Introduction to Carlson Software – Settings Setup Configuration & Points

## A Virtual Webinar Using Carlson Software – Learn Setup Configuration and Points

This webinar provides a detailed introduction to Carlson Software, covering setup, configuration, and point management within the CAD environment. Trainer Travis Maxwell walks participants through interface customization, layer management, drawing setup, and importing survey data for surface modeling.

### Key Topics:

- Carlson Software interface and configuration
- Layer tools, toolbars, and drawing setup
- Importing and managing coordinate files and points
- Creating surfaces and contours
- Customizing templates and projections

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*This session was presented by Travis Maxwell on 01/05/2023.*

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# Using Point Cloud and Public LIDAR to produce existing terrain

## A Virtual Webinar Using Carlson Software – Learn to Create Existing Terrain Models

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, demonstrates how to use Carlson Point Cloud software with publicly available LiDAR data to create accurate existing terrain models. The session covers data acquisition, classification filtering, surface generation, and contour refinement techniques for civil and surveying applications.

### Key Topics:

- Downloading and managing public LiDAR data (USGS & state sources)
- Importing LAS/LAZ files into Carlson Point Cloud
- Classifying and filtering ground points
- Creating TIN surfaces and contours
- Managing point density and data reduction

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This session was presented by Travis Maxwell on 07/09/2024.