

Stormwater Channel Design in Carlson Software

Recorded 10/25/2023

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.

Using Carlson for ADA Accessible Design – Session 1-2

Recorded 4/21/2023

This webinar continues the “Using Carlson to Design for ADA Accessibility” series, demonstrating practical methods for grading, parking layout, and ADA-compliant site design using Carlson Civil Suite. Travis provides live examples of slope control, curb ramp modeling, and surface creation to meet ADA standards efficiently.

Key Topics:

- ADA parking and slope requirements
- Carlson Civil Suite tools for grading and surface modeling
- Creating accessible routes, ramps, and curb transitions
- Troubleshooting triangulated surfaces and contour issues
- Using RoadNet and SiteNet for curb and ramp automation

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This session was presented by Travis Maxwell on 04/21/2023.

Using Carlson for ADA

Accessible Design – Session 1-1

Recorded 04/21/2023

This webinar, hosted by That CAD Girl and presented by Travis Maxwell, provides a detailed walkthrough of designing ADA-compliant site features using Carlson Civil and IntelliCAD. The session covers accessible parking, curb ramps, grading techniques, and practical tools for ensuring compliance with ADA and Fair Housing Act standards.

Key Topics:

ADA and Fair Housing Act accessibility design standards
Carlson Civil tools for curb ramps, parking, and grading
Dynamic modeling and slope analysis for ADA compliance

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This session was presented by Travis Maxwell on 04/21/2023.

Stormwater and Sewer As-builts the Quick and Easy Way

Recorded 7/12/2023

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 set up, 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

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

Fast Track to CAD and Carlson Software – Session #2-3 Recorded 3/30/2023

This training session from *That CAD Girl's* “Fast Track to CAD and Carlson” series demonstrates how to create and manage Carlson projects, import and edit points, configure templates, and set up paper space layouts for plotting. The instructor provides detailed, hands-on instruction for both new and experienced users to streamline

CAD workflows and maintain data integrity.

Key Topics:

- Creating new drawings and CRD (coordinate) files
- Importing and managing survey points
- Configuring text styles, templates, and point display settings
- Editing and protecting point data
- Using paper space, viewports, and plotting techniques

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This session was presented by Jennifer DiBona on 03/30/2023.

Fast Track to CAD and Carlson Software – Session #2-2

Recorded 3/30/2023

This training session continues the *Fast Track to CAD and Carlson* series, guiding new users through Carlson Software fundamentals. It focuses on managing text styles and scales, creating and customizing drawing templates, and understanding Carlson points and layer libraries.

Key Topics:

- Carlson text sizing and scaling
- Template creation and National CAD Standard layers
- Carlson points, attributes, and layer management

- Using layer libraries for standardization

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This session was presented by Jennifer DiBona on 03/30/2023.

Fast Track to CAD and Carlson Software – Session #2-1 Recorded 3/30/2023

This training session, led by That CAD Girl, provides an in-depth introduction to getting started with Carlson Civil Suite 2023 within IntelliCAD. The session covers setup, configuration, data management, and best practices for using Carlson software effectively in CAD environments.

Key Topics:

- Carlson Software setup and configuration
- Understanding CAD vs. Carlson environments
- Managing data, templates, and settings files
- Project folder structures and linking data
- Using Carlson Configure for default settings

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This session was presented by Jennifer DiBona on 03/30/2023.

Fast Track to CAD and Carlson Software – Session #1-3 Recorded 3/28/2023

This training session from *That CAD Girl's Fast Track to CAD and Carlson* series provides a detailed walkthrough of CAD layer management, entity properties, and drawing organization using AutoCAD and IntelliCAD. Participants learn how to create, modify, and manage layers, apply properties, use Carlson's enhanced layer tools, and work with blocks and external references.

Key Topics:

- Understanding and managing CAD layers
- Layer properties: color, line type, and line weight
- Layer states: on/off, freeze/thaw, lock/unlock
- Carlson Layer Tools and IntelliCAD Explorer
- Blocks, symbols, and external references (Xrefs)

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This session was presented by Jennifer DiBona on 03/28/2023.

Fast Track to CAD and Carlson Software – Session #1-2

Recorded 03/28/2023

This training session from *That CAD Girl* provides an in-depth introduction to CAD drafting fundamentals using IntelliCAD and Carlson software. It covers drawing and editing commands, precision drafting tools, object snaps, selection methods, and text creation for survey and design workflows.

Key Topics:

- Drawing and editing entities (lines, circles, arcs)
- Object snaps (Osnaps/Esnaps) and precision drafting
- Selection methods and modify commands
- Fillet, trim, extend, and grip editing
- Polylines, explode/join, and text creation (single-line and multi-line)

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This session was presented by Jennifer DiBona on 03/28/2023.

Fast Track to CAD and Carlson Software – Session #1-1

Recorded 3/28/2023

This session introduces beginners to the fundamentals of CAD environments and how Carlson Software integrates with AutoCAD and IntelliCAD. Participants learn about user interfaces, workspaces, command-line operations, and key differences between CAD platforms.

Key Topics:

- CAD platforms used with Carlson (AutoCAD, IntelliCAD, OEM)
- User interface customization and workspaces
- Command-line usage and shortcuts (aliases)
- Carlson vs. CAD defaults and configuration
- Drafting tools, coordinate systems, and mouse controls

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This session was presented by Jennifer DiBona on 03/28/2023.