

Customizing Carlson for Erosion Control Permitting and Design – Session 2-3 Recorded 9/21/2023

This webinar demonstrates advanced techniques for customizing Carlson Software for erosion control, permitting, and design workflows. It covers grading swales, creating stockpiles, managing surfaces, and automating plan set production using sheet sets and data links.

Key Topics:

- Grading and modeling swales and ponds in Carlson Civil
- Surface management and triangulation techniques
- Automating erosion control plan sets with sheet sets
- Linking CAD tables with Excel for dynamic calculations
- Integrating GIS data and slope analysis

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This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for

Erosion Control Permitting and Design – Session 2-2

Recorded 9/21/2023

This training session, led by Travis Maxwell, demonstrates advanced customization of Carlson Civil software for erosion control design, permitting, and hydrology workflows. The session covers watershed analysis, surface modeling, pond design, stormwater network setup, and sediment basin sizing techniques.

Key Topics:

- Watershed analysis and surface preparation
- Time of concentration and runoff calculations
- Sediment basin and pond design using Carlson tools
- Storm Net setup and drainage network modeling
- Integration of hydrology and surface data for erosion control

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This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for

Erosion Control Permitting & Design – Session 2-1

Recorded 9-21-2023

This webinar session, led by Travis and moderated by Jennifer, continues training on customizing Carlson Civil Suite for erosion control design. The presentation demonstrates workspace customization, creating line types, setting up base maps, and using GIS and hydrology tools to streamline erosion control workflows.

Key Topics:

- Customizing Carlson Civil Suite workspace and menus
- Creating and managing custom line types and layers
- Building erosion control templates and legends
- Integrating GIS data and base maps
- Setting up sheet sets and map templates

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This session was presented by Travis Maxwell on 09/21/2023.

Customizing Carlson for Erosion Control Permitting &

Design 1-3

Recorded 9/19/23

This training session covers advanced Carlson CAD workflows for erosion control and survey cleanup, including Excel-driven macros, layer translation, and automation using scripts and tool palettes. Participants learn how to streamline project setup, manage templates, and integrate GIS and public data into CAD workflows.

Key Topics:

- Automating CAD notes and blocks using Excel and scripts
- Cleaning and translating survey layers
- Setting up templates, legends, and tool palettes
- Integrating GIS data and public map services
- Handling PDFs, symbols, and block libraries

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This session was presented by Travis Maxwell on 09/19/2023.

Customizing Carlson for Erosion Control Design – Session 1-1

Recorded 09/19/2023.

This webinar introduces advanced customization techniques for Carlson Software's user interface, focusing on erosion control, permitting, and design workflows. Travis demonstrates how to modify menus, toolbars, and workspaces in IntelliCAD to streamline productivity for civil and environmental design professionals.

Key Topics:

- Customizing Carlson's user interface (CUI)
- Creating and managing workspaces
- Combining modules (Civil, Hydrology, GIS, Survey)
- Editing menus, toolbars, and tool palettes
- Workflow optimization for erosion control design

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This session was presented by Travis Maxwell on 09/19/2023.

Tips & Tricks in CAD and Carlson Software Recorded 3/20/2024

This webinar, hosted by That CAD Girl, provided an in-depth look at practical tips and tricks for using CAD and Carlson Software effectively. Topics included line types, polylines, wipeouts, text masks, symbol libraries, and 3D polyline utilities for improved drafting and design workflows.

Key Topics:

- Creating and customizing line types in CAD and Carlson
- Using wipeouts and text masks for clean annotations
- Managing and importing symbol libraries
- Advanced polyline and 3D modeling techniques
- Offsetting and daylighting with 3D polylines

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This session was presented by Jennifer DiBona on 03/20/2024.

Understanding Changes to Projections and Zones in Carlson 2024

Recorded 3/21/2024

This webinar, hosted by That CAD Girl and presented by Carlson Software's Doug Oberg, explains the updates to projection and zone settings introduced in Carlson 2024. It clarifies the purpose of new prompts, datum realizations, and configuration options to help surveyors transition smoothly to the latest version.

Key Topics:

- Changes to projection and datum settings in Carlson 2024

- Understanding NAD83 realizations and EPSG codes
- Lat/Long transformation toggle and its implications
- Backward compatibility and upgrade recommendations
- Future improvements planned for Carlson 2025

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This session was presented by Doug Aaberg on 03/21/2024.

SurvNet Least Squares In Carlson Software Recorded 4/4/2024

This recorded webinar provides a detailed overview of Carlson SurvNet's Least Squares Adjustment tools, presented by surveyor and software developer Donnie Stallings. The session covers the theory behind least squares, practical setup and configuration in SurvNet, and interpretation of adjustment reports for survey network analysis.

Key Topics:

- Fundamentals of Least Squares Adjustment
- Carlson SurvNet configuration and settings
- Processing total station and GPS data
- Reading and interpreting adjustment reports

- Troubleshooting and blunder detection

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This session was presented by Donnie Stallings on 04/04/2024.

SurvNet Least Squares – Working with Project Datasets Recorded 6/13/2024

This webinar by That CAD Girl covers how to standardize CAD drawings using the National CAD Standard (NCS) within Carlson Software and AutoCAD. It explains best practices for managing layers, linetypes, and dimension styles to ensure consistency across civil and survey projects.

Key Topics:

- National CAD Standard (NCS) layer naming and structure
- Carlson template and layer library management
- Linetype scaling, polyline generation, and plotting behavior
- Dimension style creation and scaling for different drawing types

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This session was presented by Jennifer DiBona on 05/07/2024.

Survey Project from Field to Plotted Sheet