

Standardizing CAD and Carlson Recorded 2/26/2020

This webinar by That CAD Girl provides a detailed walkthrough of how to standardize settings in Carlson Software and its underlying CAD platforms (AutoCAD or IntelliCAD). It covers configuration management, toolbar customization, quick keys, and best practices for creating consistent templates and workflows across teams.

Key Topics:

- Understanding the relationship between CAD platforms and Carlson vertical programs
- Configuring default settings and toolbars
- Managing quick keys and command aliases
- Creating and sharing standard settings and templates
- Using configuration files (.CFG, .TRI, .DWT) for consistency

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

This session was presented by Jennifer DiBona on 02/26/2020.

Sheet Setup with Paper Space, DView and UCS Rotation

Recorded 7/28//2020

This Carlson Software training webinar explains how to set up drawing sheets in Paper Space, create and manage viewports, control drawing scales, and use DView and UCS rotations for plan and profile sheet layouts. It provides a detailed, step-by-step walkthrough of best practices for plotting, scaling, and managing multiple layout tabs in Carlson Survey 2020 with IntelliCAD.

Key Topics:

- Paper Space fundamentals and layout setup
- Creating and locking viewports
- Managing drawing scales and line-type scales (LT Scale / PSLT Scale)
- DView Twist and UCS Rotation for plan/profile alignment
- Layer visibility control per viewport
- Batch plotting and page setup management

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This session was presented by Jennifer DiBona on 07/28/2020.

If You're Not Using LandXML – You Should Be (yes, all of

you!)

Recorded 09/11/2018

This webinar, hosted by That CAD Girl and presented by Nathan Cruz of Carlson Software, introduces LandXML as a universal data format for sharing and managing civil engineering and survey data. It covers LandXML's structure, supported data types, interoperability between CAD and survey platforms, and its expanding role in photogrammetry and machine control.

Key Topics:

- Overview and history of LandXML
- Data exchange between Carlson, Autodesk, and Bentley products
- Using LandXML with photogrammetry and drone data
- LandXML 2.0 enhancements (materials, 3D objects)
- Future ISO standardization for machine control

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This session was presented by Nathan Crews on 09/1/2018.

Drawing Templates, Carlson Layer Library & Other Layer

Management Tips

Recorded 07/27/2018

This webinar explains how to create, customize, and manage drawing template files (DWT) and layers in Carlson Software and AutoCAD/IntelliCAD. It covers best practices for setting up company standards, using the Layer Library, and improving drawing efficiency through template customization.

Key Topics:

- Creating and customizing DWT template files
- Understanding Carlson and NCS layer standards
- Using Layer Library for layer management and standardization

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This session was presented by Jennifer DiBona on 07/27/2018.

Customizing Migrating and Sharing Settings in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Create Point Symbols

This webinar, hosted by That CAD Girl and presented by Doug Berg, provides an in-depth guide to customizing, migrating, and sharing settings in Carlson Software. It covers configuration management, standardization across teams, and practical use of Carlson's Setting Server for consistent CAD environments.

Key Topics:

- Managing and standardizing Carlson Software settings
- Using the Carlson Setting Server for multi-user environments
- Migrating settings between versions and platforms (AutoCAD , IntelliCAD)

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This session was presented by Doug Aaberg on 09/25/2020.

2020 Virtual Workshop 3-6 Hot New Features in Carlson 2021 Recorded 12/17/2020.

This virtual workshop session showcased new and enhanced features in Carlson 2021 software, focusing on Survey, Civil, and CADNe

t modules. Presenter Scott Griffin demonstrated dynamic point attributes, BIM/Revit file integration, road network improvements, and advanced parking design tools for surveyors and engineers.

Key Topics:

- Dynamic Point Attributes in Survey module
- BIM/Revit file import and manipulation in CADNet
- Road Network enhancements including hammerhead cul-de-sacs
- New Parking Network and design tools
- Handicap and layout customization features

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This session was presented by Scott Griffin on 12/17/2020.

2020 Virtual Workshop 3-8 Utility Network Design in Carlson Hydrology Recorded 12/17/2020.

This virtual Carlson Software workshop, led by Mark Long, provided an in-depth demonstration of detention pond design, hydrology analysis, and utility network creation within Carlson Civil and Hydrology. The session covered practical workflows, design parameters, and troubleshooting tips for stormwater management and utility modeling.

Key Topics:

- Detention pond design and hydrology setup
- Rainfall data integration and hydrograph generation
- Outlet structure configuration (riser, orifice, weir)
- Utility network creation and pipe crossing management
- Troubleshooting and Q&A with developers

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This session was presented by Mark Long on 12/17/2020.

2020 Virtual Workshops Session 3-7 Sanitary Sewer Design in Carlson Hydrology Recorded 12/17/2020.

This Carlson Software virtual workshop, led by hydrology expert Mark Long, provides an in-depth walkthrough of storm and sanitary sewer design using Carlson Hydrology tools. The session covers watershed setup, pipe network creation, stormwater management, and integration with CAD surfaces for accurate drainage modeling.

Key Topics:

- Setting up watershed layers and runoff coefficients
- Designing storm sewer networks and detention ponds
- Creating and editing sanitary sewer systems

- Using Carlson Hydrology's network, drainage, and profile tools
- Managing surfaces, rainfall data, and hydraulic grade lines

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This session was presented by Mark Long on 12/17/2020.

2020 Virtual Workshops Session 3-5 Tips & Tricks in CAD & Carlson Software Recorded 12/17/2020.

This virtual workshop, led by That CAD Girl, covers practical CAD and Carlson Software tips and tricks for surveyors, engineers, and CAD technicians. The session demonstrates workflows for merging raster images, using Field to Finish, managing polylines, cleaning drawings, and creating reusable title block templates.

Key Topics:

- CADNet raster merging and image handling
- Field to Finish setup and automation
- Polyline editing and boundary creation
- Drawing cleanup and block management
- Title block templates and layout management
- Converting spot elevations to Carlson points

- Line type customization and text rotation

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This session was presented by Jennifer DiBona on 12/17/2020.

2020 Virtual Workshops Session 3-4 Steve Cummings showing Carlson Point Cloud in our Virtual Booth, Recorded 12/17/2020

This bonus session from the 2020 Virtual Workshops focuses on Carlson Point Cloud software, demonstrating how to import, clean, and process point cloud data to create usable terrain models. Steve Cummings and David Kraus walk through workflows, performance considerations, and practical tips for handling large LIDAR datasets in Carlson Civil.

Key Topics:

- Importing and visualizing point clouds in Carlson Point Cloud
- Differences between Basic and Advanced versions
- Creating bare earth models and TIN surfaces
- Managing large datasets and optimizing performance
- Workflow for civil site studies using LIDAR and aerial

data

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This session was presented by Jennifer DiBona on 12/17/2020.