

2022 Virtual Workshops 6-1- Wet Pond Design for Multi- Family Development Recorded 12/13/2022

This virtual workshop demonstrates advanced stormwater design techniques using Carlson Software's HydroNet Explorer. Presenter Travis Maxwell guides attendees through converting Civil 3D files, creating surfaces from Google Earth data, and designing detention and wet ponds within Carlson's hydrology tools.

Key Topics:

- Carlson Hydrology and HydroNet Explorer workflows
- Stormwater detention and wet pond design
- Civil 3D data conversion and surface modeling
- Curve number and time of concentration calculations
- Integration with Google Earth and LiDAR data

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

This session was presented by Travis Maxwell on 12/13/2022.

2022 Virtual Workshops 5-3 –

Civil Design in Carlson Software

Recorded 12/07/2022

This recorded session from the 2022 Virtual Workshops features Carlson Software's Mark Long demonstrating step-by-step civil design workflows in Carlson Civil and Hydrology. The class covers sanitary-sewer and storm-drain network setup, surface merging, pipe-network editing, and profile design techniques used in real-world subdivision projects.

Key Topics:

- Creating and merging surface models (existing, finished-grade, merged)
- Designing sanitary-sewer networks and setting pipe parameters
- Storm-drain design with hydrology and hydraulic calculations
- Using Carlson's Spreadsheet Sewer Editor and profile-view editing
- Managing automation, slopes, inverts, and crossings
- Workflow philosophy and training plans for future instructional videos

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This session was presented by Mark Long on 12/07/2022.

2022 Virtual Workshops 5-2 – Civil Design in Carlson Software

Recorded 12/07/2022

This Carlson Software virtual workshop provides an in-depth demonstration of RoadNet for roadway and subdivision design, including surface modeling, template management, intersections, and grading workflows. The session covers practical techniques for widening roads, handling intersections, creating cul-de-sacs, and balancing earthwork using Carlson Civil tools.

Key Topics:

- RoadNet setup and file structure
- Template Point Center Line and Template Series usage
- Intersection grading and profile adjustments
- Super elevation and cul-de-sac design
- Earthwork balancing and volume calculations
- Profile and cross-section generation

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This session was presented by Mark Long on 12/07/2022.

2022 Virtual Workshops 5-1 – Civil Design in Carlson Software Recorded 12/07/2022

This session from the 2022 Virtual Workshops features Mark Long of Carlson Software demonstrating advanced CAD workflows using Carlson's LotNet and RoadNet tools. The training covers efficient subdivision layout, automated lot labeling, setbacks, and roadway design for civil engineering and hydrology applications.

Key Topics:

- Carlson LotNet setup and automation for subdivision design
- RoadNet configuration, templates, and grading workflows
- Surface modeling and triangulation (TIN) creation and validation
- Hydrology preparation and ground-cover planning
- Troubleshooting performance and CAD layer management

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This session was presented by Mark Long on 12/07/2022.

2022 Virtual Workshops 4-3 –

Field to Finish from Start to Finish

Recorded 12/06/2022

This session from the 2022 Virtual Workshops series covers advanced “Field to Finish” workflows in Carlson Software, led by Doug . The training focuses on coding strategies, symbol rotation, scaling, pipe and tree features, and automated labeling techniques for survey drafting efficiency.

Key Topics:

- Field to Finish code setup and management
- Special codes (ROT, SZ, RAMP, etc.)
- Multi-point and rotation symbol handling
- Pipe and tree feature configuration
- GIS notes, attributes, and formulas
- Field-to-Finish Inspector and troubleshooting

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This session was presented by Doug Aaberg on 12/06/2022.

Basics of Annotation in Carlson Software

A Virtual Webinar Using Carlson Software – Learn Annotation Scaling Best Practices

This webinar introduces the fundamentals of annotation in Carlson Software, covering text styles, scaling, labeling, and configuration best practices. Attendees learn how to manage annotation consistency across drawings, use Auto Annotate, and customize text styles for professional, readable plans.

Key Topics:

- Text styles and fonts in IntelliCAD and AutoCAD
- Drawing setup and annotation scaling
- Auto Annotate for bearings, distances, and line/curve tables
- Object linking and label updates
- Managing point labels and templates

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This session was presented by Jennifer DiBona on 02/11/2022.

2022 Virtual Workshops 4-2 –

Field to Finish from Start to Finish

Recorded 12/06/2022

This session of the 2022 Carlson Virtual Workshops provides an in-depth demonstration of Carlson's Field to Finish tools for survey data processing. The instructor covers code table setup, special codes, templates, and workflow optimization for efficient CAD drafting and survey data management.

Key Topics:

- Field to Finish code table setup and management
- Special codes (JOG, OFFSET, LTF, PARKING, etc.)
- FLD and F2F file configuration and sharing
- Symbol creation, labeling, and layer management
- Use of templates for curbs, steps, and parking lines
- Integration with Carlson Serve PC and GIS features

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This session was presented by Doug Aaberg on 12/06/2022.

2022 Virtual Workshops 4-1- Field to Finish from Start to

Finish

Recorded 12/06/2022

This virtual workshop session, led by Carlson Software's Doug Aaberg and hosted by That CAD Girl, provides an in-depth, step-by-step demonstration of Carlson's Field to Finish workflow. The training covers code table creation, special codes, multiple coding, layering strategies, and symbol management for efficient survey drafting and CAD automation.

Key Topics:

- Field to Finish fundamentals and workflow setup
- Creating and managing code tables (FLD files)
- Using special codes and multiple coding for linework automation
- Layer management and attribute separation
- Drawing symbols, hatching, and labeling techniques

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This session was presented by Doug Aaberg and Jennifer DiBona on 12/06/2022.

**2022 Virtual Workshops 3-1
Carlson Software Showcase**

Overview of Carlson Recorded 11/29/2022

This Carlson Software virtual workshop, led by Scott Griffin, introduced users to new and existing features in Carlson 2023, including Drawing Cleanup, Field to Finish utilities, CADnet, and BIM integration. The session emphasized workflow efficiency, data cleanup, and 3D modeling enhancements for surveyors, engineers, and CAD professionals.

Key Topics:

- Drawing Cleanup and CAD file optimization
- Field to Finish updates and symbol management
- CADnet tools for PDF and BIM integration
- Wall Polyline Profile Editor and 3D modeling
- Subdivision layout automation and reporting

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This session was presented by Scott Griffin on 11/29/2022.

2022 Virtual Workshops 1-3 – Introduction to CAD

Recorded 11/15/2022

This virtual workshop session from That CAD Girl's 2022 series provides an in-depth tutorial on CAD line types, line-type scales, and paper-space layout management in Carlson and IntelliCAD. Attendees learned how to create, edit, and manage custom line types, control scaling across model and paper space, and use viewports effectively for plotting.

Key Topics:

- Creating and editing custom line types (.LIN files)
- Managing line-type scales (LTscale, PSLTscale, Plinegen)
- Using paper space, layouts, and viewports
- Handling text orientation and rotation flags
- Managing layers and visibility across multiple viewports
- Carlson-specific tools and troubleshooting

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This session was presented by Jennifer DiBona on 11/15/2022.