Using Carlson Hydrology for Sanitary and Utility Design

A Virtual Webinar Using Carlson Software – Learn to Design Sanitary Sewer Networks

This webinar demonstrates how to use Carlson Hydrology for sanitary sewer and utility network design. Mark Long walks through setting up sewer network parameters, creating SEW files, importing polylines and managing profiles and laterals for efficient civil design workflows.

Key Topics:

- Setting up sanitary sewer and utility networks in Carlson Hydrology
- Sewer network settings, parameters and design criteria
- Importing 2D polylines to create networks
- Editing profiles, slopes and manholes
- Creating and managing laterals and cleanouts

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

This session was presented by Mark Long on 07/08/2021.

Using Carlson Hydrology for Detention Pond Design

A Virtual Webinar Using Carlson Hydrology – Learn Detention Pond Design

This webinar, hosted by That CAD Girl and presented by Mark Long, provides a detailed walkthrough of using Carlson Hydrology software for detention pond design. It covers watershed setup, surface modeling, stormwater calculations and pond sizing workflows within Carlson Civil.

Key Topics:

- Setting up watershed layers and ground covers
- Pre- and post-construction surface modeling
- Detention pond sizing and stage-storage calculations
- Creating outlet devices and hydrographs
- Generating reports and design documentation

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

This session was presented by Mark Long on 6/10/2021.

This session was presented by Mark Long on 06/10/2021.

Using Carlson GIS for Base Mapping

A Virtual Webinar Using Carlson GIS – Learn Base Mapping Workflows

This webinar demonstrates how to use Carlson GIS tools for creating survey base maps by integrating publicly available GIS, LiDAR and imagery data. Doug Aaberg walks through importing shape files, labeling parcels, adding contours and overlaying aerial imagery to produce accurate, data-rich base plans.

Key Topics:

- Importing and managing GIS shape files
- Creating and labeling parcel base maps
- Adding contours from public LiDAR data
- Overlaying aerial imagery on the base map
- Combining public GIS data with survey data

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This session was presented by Doug Aaberg on 05/27/2021.

Tips & Tricks to Recover Corrupt Drawings

A Virtual Webinar Using CAD – Learn to Recover Corrupt Drawings

This webinar by That CAD Girl provides practical guidance on recovering and repairing corrupt DWG files using AutoCAD, IntelliCAD and Carlson Software tools. It covers essential commands, troubleshooting workflows and Autodesk utilities to restore damaged drawings efficiently.

Although Carlson Software with IntelliCAD was used in this session and a few Carlson-specific commands are shown, the workflows are by and large the same for all AutoCAD or IntelliCAD based programs, and other programs will likely have their own version of those Carlson commands.

Key Topics:

- Using PURGE, AUDIT and WBLOCK commands to clean drawings
- Recovering inaccessible DWG files with RECOVER and RECOVERALL
- Leveraging DWG TrueView and DWG Convert for file repair and version conversion
- Handling Civil 3D files and registered applications
- Managing layouts and Xrefs during recovery

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This session was presented by Jennifer DiBona on 02/09/2021.

Survey Project from Field to Plotted Sheet

A Virtual Webinar Using Carlson Software – Learn to Complete Survey Workflows

This webinar demonstrates a complete Carlson Survey workflow, showing how to take raw field data through coordinate file creation, deed entry, surface modeling and final sheet plotting. It covers practical commands, configuration tips and troubleshooting steps for surveyors using Carlson 2020/2021 on IntelliCAD.

Key Topics:

- Carlson configuration and project setup
- Importing and managing point data (CRD files)
- Deed entry, correlation and legal description tools
- Field-to-Finish automation and surface creation
- Plotting, labeling and sheet preparation

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This session was presented by Jennifer DiBona on 01/12/2021.

Surfaces and Breaklines – the Basics

A Virtual Webinar Using Carlson Software – Learn to Build Accurate Surfaces

This webinar introduces the foundational concepts of surface modeling and breaklines in Carlson Civil and Takeoff. It covers how to prepare data, build accurate surfaces, use breaklines effectively and avoid common pitfalls when working with contours and triangulated irregular networks (TINs).

Key Topics:

- Surface modeling fundamentals in Carlson Civil/Takeoff
- Using 3D Viewer and Shrink Wrap Entities
- Managing non-surface points and breaklines
- Field-to-Finish automation
- Combining and exporting surface data

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This session was presented by Jennifer DiBona on 01/19/2021.

SiteNet & Takeoff Menus In Carlson Civil, Construction & Takeoff

A Virtual Webinar Using Carlson Software – Learn to Calculate Site Quantities

This webinar provides a detailed walkthrough of surface modeling and material takeoff workflows using Carlson Civil and Construction's SiteNet and Takeoff menus. Jennifer DiBona explains how to prepare clean CAD layers, define surfaces, calculate volumes and generate material quantity reports for accurate construction estimating.

Key Topics:

- Layer management and cleanup for surface modeling
- Defining existing and design surfaces in SiteNet
- Setting up subgrade, topsoil and boundary polylines
- Calculating cut/fill volumes and material quantities
- Visual verification and troubleshooting techniques

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ve been AI-generated and may contain errors.

This session was presented by Jennifer DiBona on 01/27/2021.

Project Case Study-Using Carlson Takeoff For Quantities and Surface Modeling

A Virtual Webinar Using Carlson Software – Learn to Calculate Quantities

This webinar features Ashton Cary of Terrain Technology demonstrating how to use Carlson Takeoff for quantity calculations and surface modeling in a real-world project. The session covers drawing cleanup, layer management, surface creation and exporting data for machine control applications.

Key Topics:

- Carlson Takeoff workflow for grading and quantity estimation
- Drawing cleanup and layer management in AutoCAD/IntelliCAD
- Creating and verifying existing and proposed surfaces
- Topsoil removal and subgrade adjustments
- Exporting data for machine control (Topcon, Leica)

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

This session was presented by Ashton Cary on 05/26/2021.

Practical LotNet in Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Subdivision Layouts

This webinar, hosted by That CAD Girl and presented by Mark Long, provides a detailed walkthrough of Carlson Software's LotNet tools for practical subdivision layout design. The session covers setup, configuration and efficient workflows for creating, labeling and adjusting residential lots using Carlson's automation features.

Key Topics:

- Practical use of LotNet for subdivision design
- Setting up boundaries, right-of-way and lot edges
- Automating lot labeling, numbering and setbacks
- Adjusting lot layouts and cleaning linework
- Tips for efficient and profitable subdivision planning

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have been AI-generated and may contain errors.

This session was presented by Mark Long on 10/14/2021.

Overview of Carlson Point Clouds Using PhotoCapture

A Virtual Webinar Using Carlson Software – Learn to Process Drone and LiDAR Data

This webinar provides a detailed demonstration of Carlson Photo Capture and Carlson Point Cloud software, showcasing how drone imagery and LiDAR data can be processed into accurate 3D surfaces for site design. The session covers workflows, pricing models and integration with Carlson Precision 3D and hydrology tools.

Key Topics:

- Carlson Photo Capture setup and workflow
- Carlson Point Cloud processing and editing tools
- Integration with Precision 3D and hydrology modeling
- Kentucky LIDAR data access and usage
- Surface creation, breaklines and stormwater design

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This session was presented by Steve Cummings on 05/20/2021.