

Customizing Carlson for Erosion Control Design – Session 1-2 Recorded 09/19/2023.

Video for this session is not available.

**LeMay_Customizing Carlson for
Erosion Control Permitting and
Design with Travis Maxwell**

That CAD Girl

Session #1-1

Customizing Carlson for Erosion
Control Permitting & Design

Presented by Travis Maxwell

Request custom training from Travis by emailing:
ContactUs@thatcadgirl.com



That CAD Girl

Session #1-2

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Session #1-3

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Session #2-1

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Session #2-2

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Control Permitting & Design

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Session #2-3

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SAMPLE VIRTUAL CLASSROOM CAD, CARLSON, MICROSURVEY

Learn the fundamentals of CAD with That CAD Girl's *Getting Started with CAD* training series. This introductory session covers essential CAD concepts, interface navigation, command-line skills, and best practices for working in Carlson, MicroSurvey, and Civil 3D.

Key Topics:

- Understanding CAD platforms (IntelliCAD vs. AutoCAD)
- Navigating Carlson, MicroSurvey, and Civil 3D interfaces
- Using workspaces, ribbons, and toolbars effectively
- Command-line basics and shortcut aliases
- File management, auto-save, and backup strategies
- Customizing options and display settings
- Status bar tools and function key shortcuts
- Drawing settings, units, and coordinate systems
- Line vs. Polyline fundamentals
- UCS icon setup and coordinate orientation

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

This session was presented by Jennifer DiBona on 9/16/2025

SAMPLE VIRTUAL CLASSROOM In

Depth Carlson Hydrology with Travis Maxwell

This webinar provides a comprehensive introduction to Carlson Hydrology, led by veteran engineer Travis, focusing on setup, workflows, and best practices for stormwater modeling and design. Attendees learn how to configure libraries, manage sewer networks, and apply hydrologic methods such as SCS and Rational within Carlson Software.

Key Topics:

- Carlson Hydrology module overview and setup
- Sewer and storm network configuration
- Use of SCS and Rational methods for runoff and detention
- Inlet libraries, rainfall data, and HydroNet integration
- Best practices for file management and dynamic modeling

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This session was presented by Travis Maxwell on 11/07/2024. This webinar provides a comprehensive introduction to Carlson Hydrology, led by veteran engineer Travis, focusing on setup, workflows, and best practices for stormwater



modeling and design. This webinar provides a comprehensive introduction to Carlson Hydrology, led by veteran engineer Travis, focusing on setup, workflows, and best practices for stormwater modeling

design. This session continues the in-depth Carlson Hydrology training with a focus on storm sewer network modeling, watershed delineation, and hydraulic grade line analysis. This session continues the in-depth Carlson Hydrology training with a focus on storm sewer network modeling, watershed delineation, and hydraulic grade line analysis. This final session of the

In-Depth Carlson Hydrology training series covers advanced hydrology modeling techniques using Carlson Hydrology and HydroNET. This final session of the In-Depth Carlson Hydrology training series covers advanced hydrology modeling techniques using Carlson Hydrology and HydroNET.



That CAD Girl presents!

IN-DEPTH
CARLSON HYDROLOGY
Session #1-1

Presented by Travis Maxwell
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IN-DEPTH
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2016 Virtual Classroom – Survey & GIS Virtual Workshop – Session 6 Recorded 05/17/2016

This session of the Surveying GIS Virtual Workshop focuses on transforming 2D CAD drawings into 3D models for use in surveying, construction stakeout, and model building. It provides step-by-step demonstrations of Carlson Software tools for elevating, labeling, and cleaning up engineering drawings to prepare accurate 3D surfaces.

Key Topics:

- Converting 2D entities to 3D using Carlson Civil tools
- Elevating building pads, curbs, and contours
- Cleaning and preparing engineering drawings for modeling
- Managing layers, blocks, and Civil 3D/Land Desktop data
- Creating working drawings and exporting surfaces

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This session was presented by Jennifer DiBona on 05/17/2016.

2016 Virtual Classroom –

Survey & GIS Virtual Workshop

– Session 5

Recorded 05/17/2016

This session of the Survey and GIS Virtual Workshop provided a detailed walkthrough of Carlson Software's Field to Finish functionality, led by Scott Griffin. The presentation demonstrated how to automate drawing creation from field data, manage codes, and integrate 3D elements, pipes, and GIS attributes within Carlson Survey.

Key Topics:

- Carlson Field to Finish setup and workflows
- Code tables, special codes, and feature types (Tree, Pipe, Topo)
- Creating 3D trees, pipes, and curb templates
- Generating tree legends, SEW files, and 3D PDFs
- Importing and converting PDF files using CADnet

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This session was presented by Scott Griffin on 05/17/2016.

2016 Virtual Classroom –

Survey & GIS Virtual Workshop

– Session 4

Recorded 05/17/2016

This virtual class, hosted by That CAD Girl and presented by Jeremy Taylor, provides a comprehensive overview of Carlson's field software—SurvCE and SurvPC—and demonstrates practical workflows for survey data collection, cloud file sharing, and GPS/localization setup. The session also covers integration with Carlson Survey desktop software and best practices for efficient field-to-office coordination.

Key Topics:

- Differences between SurvCE and SurvPC
- Using Carlson Cloud for file transfer and collaboration
- Job setup, configuration, and data management
- Integration with total stations and GPS rovers
- Working with CAD files and alignments in the field
- Ground vs. grid coordinate handling and localization

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This session was presented by Jeremy Taylor on 05/17/2016.

2016 Virtual Classroom –

Survey & GIS Virtual Workshop – Bonus Lunch Session 3 Recorded 05/17/2016

This session of the Survey and GIS Virtual Workshop features a demonstration of Carlson Software's Precision 3D Topo, led by Nathan Cruise. The presentation showcases surface editing, visualization, field-to-finish workflows, and 3D modeling capabilities for survey and design professionals.

Key Topics:

- Precision 3D Topo features and workflows
- Surface editing and visualization tools
- Field-to-finish automation and 3D modeling
- Importing and managing survey data
- Auto texturing and presentation tools

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This session was presented by Nathan Crews on 05/17/2016.

2016 Virtual Classroom – Survey & GIS Virtual Workshop

– Session 2

Recorded 05/17/2016

This Carlson Survey training session, led by Jeremy Taylor and hosted by That CAD Girl, provides a detailed walkthrough of traverse adjustment workflows using Carlson Survey's raw data editor and processing tools. The session also covers creating cut sheets for construction staking and introduces least squares adjustments and SurvNet integration.

Key Topics:

- Traverse adjustment and raw data processing in Carlson Survey
- Angle balancing, compass and least squares adjustments
- Cut sheet creation for construction staking
- Integration with SurvCE and SurvNet

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This session was presented by Jeremy Taylor on 05/17/2016.

2016 Virtual Classroom – Survey & GIS Virtual Workshop – Session 1

Recorded 05/17/2016

This session from That CAD Girl's 2016 Virtual Workshop introduces practical tips and workflows for survey and GIS users in Carlson Software. It covers deed entry, control point search, georeferencing, Google Earth and Esri map integration, and creating GIS databases directly within Carlson.

Key Topics:

- Entering and correcting deed descriptions in Carlson Survey
- Using "Search Published Control" for NGS monuments
- Georeferencing drawings and importing imagery from Google Earth or Esri ArcGIS
- Integrating GIS data with SurvCE/SurvPC for field collection
- Building a GIS database and performing attribute queries in Carlson GIS

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This session was presented by Jennifer DiBona on 05/17/2016.