

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

Video for this session is not available.

Subdivision Roads & Lot Grading

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

This webinar demonstrates how to design subdivision roads and perform lot grading using Carlson Civil's Road Network and Grading tools. The session walks through building templates, setting profiles, elevating building pads, and creating 3D surfaces for residential developments.

Key Topics:

- Carlson Road Network setup and configuration

- Creating and editing roadway templates
- Elevating building pads and lot lines
- Generating and refining proposed surfaces
- Practical grading techniques for subdivisions

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

This session was presented by Jennifer DiBona on 08/25/2020.

Site Project Grading from Start to Finish

A Virtual Webinar Using Carlson Software – Learn to Complete Site Grading

This webinar demonstrates a complete site-grading workflow in Carlson Civil and IntelliCAD, from setting up surfaces and elevating building pads to creating 3D polylines, grading slopes, and calculating earthwork volumes. It provides step-by-step instruction for converting 2D plans into accurate 3D models suitable for construction takeoff and design verification.

Key Topics:

- Carlson Civil / IntelliCAD setup and configuration
- Creating and editing 2D and 3D polylines for grading

- Building pads, curbs, and pavement elevations
- Surface creation, triangulation, and contour analysis
- Daylighting to existing ground and balancing cut/fill volumes

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This session was presented by Jennifer DiBona on 07/14/2020.

Site Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Improve Site Grading

This webinar by That CAD Girl focuses on best practices for editing surfaces in Carlson Software, emphasizing the difference between temporary surface edits and permanent surface definition changes. The session includes demonstrations of triangulation, contouring, breaklines, non-surface points, and field-to-finish workflows for accurate site grading models.

Key Topics:

- Editing surfaces vs. editing surface definitions
- Triangulation, contours, and breaklines
- Tagging non-surface points and using field-to-finish
- Managing surface rebuilds and protecting edits
- Shrink-wrap boundaries and inclusion/exclusion areas

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This session was presented by Jennifer DiBona on 02/19/2020.

More Surfaces, Volumes Editing and Display Tips & Tricks

A Virtual Webinar Using Carlson Software – Learn to Improve Surface Volume Workflows

This webinar from That CAD Girl provides an in-depth demonstration of Carlson Civil's surface and volume modeling tools. It covers practical workflows for viewing, editing, merging, and analyzing TIN files, as well as tips for grading, slope analysis, and cut/fill reporting.

Key Topics:

- Working with Carlson TIN (triangulation) files
- Surface viewing, editing, and boundary management
- Creating and comparing surfaces for grading and volume calculations
- Importing data from the National Elevation Dataset (NED)
- Cut/fill analysis, slope reporting, and LandXML export

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This session was presented by Jennifer DiBona on 03/24/2020.

Grading Tips & Tricks

A Virtual Webinar Using Carlson Software – Improve Grading and Quantity Workflows

This webinar by That CAD Girl demonstrates practical grading workflows in Carlson Software, covering surface creation, merging, and pad design techniques. It provides step-by-step examples for building, editing, and inspecting TIN surfaces and grading pads using Carlson Survey, Civil, and Construction modules.

Key Topics:

- Creating and merging TIN surfaces
- Using public elevation data (NED/USGS)
- Pad grading and slope projection
- Design Pad Template vs. manual grading
- 3D Polyline and elevation editing tools

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This session was presented by Jennifer DiBona on 12/19/2018.

Deeds of Lots and Lots of Lots

A Virtual Webinar Using Carlson Software – Learn to Create and Correlate Property Deeds

This webinar provides a detailed walkthrough of Carlson Survey's tools for creating, editing, and managing property lots and deeds. It covers deed entry, correlation, legal description writing, and lot network automation using Carlson's WA Net and related utilities.

Key Topics:

- Entering and processing deed descriptions
- Deed correlation and alignment with survey data
- Legal description writer configuration
- Lot creation and labeling tools
- Lot File and Lot Network (WA Net) workflows

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This session was presented by Jennifer DiBona on 07/18/2018.

Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Learn to Create Centerlines and Profiles

This webinar provides a step-by-step introduction to creating centerlines, profiles, and road networks using Carlson Civil software. It covers both manual methods and automated workflows through Carlson RoadNet for efficient roadway design and grading.

Key Topics:

- Creating and editing centerline (CL) and profile (PRO) files
- Linking linework and labels in Carlson Civil
- Drawing and labeling profiles for roads, sewers, and crossings
- Using Carlson RoadNet for multi-road networks and intersections
- Generating surfaces, templates, and grading automation

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This session was presented by Jennifer DiBona on 03/26/2020.

Centerlines, Profiles & Overview of RoadNet

A Virtual Webinar Using Carlson Software – Create Centerlines and Profiles with RoadNet

This webinar provides a comprehensive walkthrough of Carlson Software's tools for creating and managing centerlines, profiles, and roadway designs using RoadNet. It covers manual methods for building alignments and profiles, linking data files, and automating roadway networks for efficient civil design workflows.

Key Topics:

- Creating and editing Carlson centerline (.CL) and profile (.PRO) files
- Linking CAD geometry to external data files
- Drawing and labeling profiles in Carlson Survey and Civil
- Designing roads and intersections using Carlson RoadNet
- Managing templates, cul-de-sacs, and volume reports

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This session was presented by Jennifer DiBona on 12/05/2018.

Advanced Road Network Design – with Mark Long of Carlson Software

A Virtual Webinar Using Carlson Software – Learn to Design Advanced Road Networks

This webinar, led by Mark Long from Carlson Software and hosted by That CAD Girl, provides an in-depth walkthrough of advanced roadway design using Carlson's RoadNet tools. It covers setup, super elevation, template transitions, and practical design workflows for real-world road projects.

Key Topics:

- RoadNet setup and configuration
- Super elevation design and AASHTO standards
- Template transitions and slope adjustments
- Cross-section generation and profile management
- Troubleshooting and workflow best practices

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This session was presented by Mark Long on 12/18/2018.