Taking a Survey Project from Field to Plotted Sheet

This webinar walks through the complete workflow of taking a survey project from raw field data to a finished plotted sheet using Carlson Survey. It covers importing points, managing coordinate files, deed entry, field-to-finish automation, surface generation, and final sheet layout for professional deliverables.

Key Topics:

- Importing and managing survey points and coordinate files
- Entering and processing deed descriptions
- Using field-to-finish for automated drafting
- Building surfaces and contours
- Creating legends, title blocks, and final plot sheets

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

This session was presented by Jennifer DiBona on 01/21/2020.

Subdivision Roads & Lot Grading
Recorded 8/25/2020

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 pr

ofiles, elevating building pads, and creating 3D surfaces for re sidential 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

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

Site Project Grading from Start to Finish Recorded 7/14/2020

This webinar demonstrates a complete site-grading workflow in Ca rlson Civil and IntelliCAD, from setting up surfaces and elevati ng building pads to creating 3D polylines, grading slopes, and c alculating earthwork volumes. It provides step-by-step instructi on 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 volu mes

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

Site Grading Tips & Tricks Recorded 2-19-2020

This webinar by That CAD Girl focuses on best practices for edit ing surfaces in Carlson Software, emphasizing the difference bet ween temporary surface edits and permanent surface definition ch anges. The session includes demonstrations of triangulation, con touring, 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.

Overview of Carlson’s Point Cloud Manipulation Programs Recorded 10/8/2020

This recorded presentation by That CAD Girl provides a comprehen sive overview of Carlson Civil Suite 2020, including Survey, Civ il, Hydrology, and GIS modules. It covers licensing, compatibili ty with AutoCAD and IntelliCAD, data management, field-to-finish workflows, surface modeling, road design, and hydrology t ools for civil engineering and surveying professionals.

Key Topics:

- Carlson Software overview and company background
- Licensing, maintenance, and installation options
- IntelliCAD vs. AutoCAD platform compatibility
- Field-to-Finish and surface modeling workflows
- Civil design tools: centerlines, profiles, grading, road n etworks
- GIS integration and imagery import
- Hydrology and sewer network design

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This session was presented by Steve Cummings, Tyler Faulkner, Ga vin Franklyne, Gordon Pollock, Julian Ruiseco on 10/08/2020

More Surfaces, Volumes Editing and Display Tips & Tricks Recorded on 3/24/2020

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

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

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

Drawing Cleanup for Model Building and Construction Staking
Recorded 11/6/2020

This webinar, hosted by That CAD Girl and presented by Walt Liles of Terrain Technology, provides an in-depth walkthrough of Carlson Software's *Drawing Cleanup* tools for preparing CAD files for construction staking and machine control modeling. The session covers best practices for reducing file size, cleaning DWGs, converting entities, and managing layers to optimize performance in field applications.

Key Topics:

- Carlson Drawing Cleanup workflow and settings
- File size optimization for GPS and machine control
- Layer management and XREF handling
- Converting Civil 3D and LDD entities into Carlson formats
- Creating and exporting points for layout and staking

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This session was presented by Walt Liles on 11/06/2020.

Taking a Survey Project from Field to Plotted Sheet Recorded 08/16/2018

This webinar provides a complete walkthrough of managing a survey project in Carlson Software—from initial setup and importing field data to creating surfaces, labeling, and producing final deliverables. It demonstrates practical workflows, configuration tips, and best practices for surveyors using Carlson Survey and Field-to-Finish tools.

Key Topics:

- Carlson Survey project setup and configuration
- Importing and managing point data (CRD, ASCII)
- Field-to-Finish processing and layer management
- Deed entry, correlation, and legal description tools
- Surface creation, contouring, and annotation
- Map finishing: legends, scales, and title blocks

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This session was presented by Jennifer DiBona on 08/16/2018.

Surfaces and Breaklines – the

Basics
Recorded 08/15/2018

This webinar provides a detailed walkthrough of creating accurate terrain surfaces in Carlson Software, focusing on the importance of breaklines, triangulation, and contour generation. It demonstrates common pitfalls when building surfaces from contours and offers best practices for using field data, 3D polylines, and LandXML files for reliable surface modeling.

Key Topics:

- Creating and editing surfaces in Carlson Software
- Using triangulate and contour commands
- Understanding breaklines and their role in accurate surface modeling
- Problems with building surfaces from contours
- Importing and merging surface data (NED, DEM, TIN files)
- Using Surface Inspector and Field-to-Finish tools

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This session was presented by Jennifer DiBona on 08/15/2018.

Site Grading Tips & Tricks

Recorded 12/19/2018

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.