In Depth Carlson Hydrology Session #1-3

A Virtual Classroom Using Carlson Hydrology – Learn Watershed Delineation and HGL 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. Instructor Travis Maxwell demonstrates practical workflows for drainage area setup, pipe sizing, spread analysis and custom symbol management within Carlson Civil software.

Key Topics:

- Watershed delineation and drainage area setup
- Sewer network modeling and hydraulic grade line (HGL) anal ysis
- Pipe slope adjustments and capacity troubleshooting
- Spread and ponding depth calculations
- Custom symbol creation and management in Carlson

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

This session was presented by Travis Maxwell on 09/07/2022.

In Depth Carlson Hydrology Session #1-2

A Virtual Classroom Using Carlson Software – Learn Advanced Hydrology Workflows

This in-depth Carlson Hydrology training session focuses on converting Civil 3D data, building terrain surfaces and designing stormwater networks using Carlson software. The webinar demonstrates practical workflows for integrating utilities, creating ponds and managing storm drainage systems efficiently.

Key Topics:

- Converting Civil 3D data for Carlson use
- Building and merging terrain surfaces
- Creating and editing stormwater networks
- Managing utilities and pipe crossings
- Setting up ponds and drainage areas

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This session was presented by Travis Maxwell on 09/07/2022.

In Depth Carlson Hydrology Session #1-1

A Virtual Classroom Using Carlson Hydrology – Learn Hydrology Setup and Storm Network Basics

This session 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 09/07/2022.

Beyond the Basics-Advanced Layout and Grading Techniques With Carlson Software Follow Up
Session 1-3

A Virtual Classroom Using Carlson Software – Learn Advanced Grading and Surface Modeling Tips

This follow-up training session for *Beyond the Basics: Advanced Layout and Grading Techniques* with Carlson Software dives deeper into SiteNet workflows, pad grading and dynamic surface modeling. Travis demonstrates practical grading tools, troubleshooting tips and efficient methods for balancing earthwork and managing contour updates.

Key Topics:

- SiteNet boundaries vs. areas of interest
- Dynamic contour updates and reprocessing
- Pad Grade workflows and balancing techniques
- Layer management and display settings
- Driveway and surface grading best practices

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This session was presented by Travis Maxwell on 08/09/2022.

Beyond the Basics-Advanced Layout and Grading Techniques With Carlson Software Session 1-2

A Virtual Classroom Using Carlson Software – Learn to Refine Roadway, Lot and Driveway Surfaces

This advanced Carlson Software training session demonstrates how to integrate RoadNet, LotNet and SiteNet for efficient site design, grading and earthwork balancing. Travis provides step-by-step instruction on creating entrances, managing templates, grading driveways and dynamically adjusting surfaces for balanced cut/fill results.

Key Topics:

- Integrating RoadNet, LotNet and SiteNet for coordinated gr ading
- Creating and editing road and entrance templates
- Dynamic surface editing and balancing earthwork
- Driveway and building pad elevation control
- Using SiteNet for cost estimation and surface management

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This session was presented by Travis Maxwell on 08/03/2022.

Beyond the Basics-Advanced Layout and Grading Techniques With Carlson Software Session 1-1

A Virtual Classroom Using Carlson Software – Learn Subdivision Layout, Lot Grading and Road Design

This webinar introduces advanced subdivision layout and grading workflows in Carlson Software, focusing on Lot Net, Road Net and Site Net integration. Attendees learn how to automate residential subdivision design, apply sheet sets and manage 3D grading for efficient plan production.

Key Topics:

- Carlson Lot Net, Road Net and Site Net workflows
- Sheet Set Manager setup and custom fields
- Automated lot subdivision and grading logic
- Road Network intersections, cul-de-sacs and roundabouts
- Template creation, transitions and 3D line generation
- Earthwork balancing and site modeling

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ve been AI-generated and may contain errors.

This session was presented by Travis Maxwell on 08/03/2022.

Site Selection and Feasibility Studies Using Carlson Software Session Follow Up
Session #1-3

A Virtual Classroom Using Carlson Software – Learn Lot Grading and Site Cost Estimating

This follow-up webinar, led by Travis and hosted by That CAD Girl, provided an in-depth demonstration of Carlson Software tools for site selection and feasibility studies. The session focused on residential lot grading, cost estimation and advanced use of Road Net, Lot Net and SiteNet modules.

Key Topics:

- Residential lot grading and elevation setup
- Road Net and Lot Net configuration for subdivisions
- Cost estimation using sewer and utility networks
- Driveway and pad design automation
- Integration of GIS and Google imagery for site modeling

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This session was presented by Travis Maxwell on 07/19/2022.

Site Selection and Feasibility Studies Using Carlson Software Session #1-2

A Virtual Classroom Using Carlson Software – Learn to Compare Sites and Estimate Costs

This training session demonstrates how to perform site selection and feasibility studies using Carlson Software tools. Travis walks through practical workflows for importing GIS and Google Earth data, grading, balancing earthwork and estimating construction costs for commercial and residential projects.

Key Topics:

- Importing and aligning GIS and Google Earth data
- Creating and balancing grading surfaces with SiteNet
- Cost estimation using linear, area and count-based materials
- Setting up residential subdivisions with RoadNet and LotNet
- Managing floodplain, wetlands and feasibility constraints

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This session was presented by Travis Maxwell on 07/12/2022.

Site Selection and Feasibility Studies Using Carlson Software Session: #1-1

A Virtual Classroom Using Carlson Software – Learn Site Feasibility Grading and Earthwork

This webinar, led by Travis Maxwell and hosted by That CAD Girl, provides a detailed walkthrough of performing site selection and feasibility studies using Carlson Software. The session demonstrates how to obtain existing site data, analyze flood hazards, calculate earthwork volumes and create grading models efficiently within Carlson's Civil Suite.

Key Topics:

- Using Carlson SiteNet for feasibility and earthwork analysis
- Importing and processing Google Earth and GIS data
- Evaluating flood hazard elevations and site grading
- Creating and editing pad grades and boundaries
- Cost estimation and balancing cut/fill volumes

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This session was presented by Travis Maxwell on 07/12/2022.

Introduction to Carlson Software – Settings, Setup, Configuration & Points

A Virtual Webinar Using Carlson Software – Learn to Configure Settings and Manage Points

This webinar introduces new and returning users to Carlson Software, focusing on initial setup, configuration and point management. It covers interface navigation, project folder organization, default settings and template creation for efficient CAD workflows.

Key Topics:

- Carlson Software interface and configuration
- Managing project and data folders
- Setting up drawing defaults and templates
- Importing and displaying survey points
- Understanding data vs. settings files

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This session was presented by Jennifer DiBona on 01/04/2022.