

Land Desktop 3 Project Basics, Settings & Working With Points

CBT - Computer Based Training

What You Will Learn

This CBT is for new or self-taught Land Desktop users looking for an introduction and overview of the features, functionality and improvements included in the LD3 software. You will learn about Land Desktop 3 projects, point objects, Map features, and Microstation file usage.

Topics

Topics covered on this CBT include:

- Creating a New Drawing & Project
- Drawing Set-up Overview
- General Settings Overview
- Prototypes Overview
- Drawing Preferences Overview
- Tool Bars, Project Workspace & Menu Palettes
- Using AutoCAD MAP Tools in LDT
- Using Map's Query Tools
- Using Map's Data Query Tools
- Personalizing Settings for a Specific Drawing/Project
- Working with Points
- Point Settings & Inserting Points into a Drawing
- Description Keys Overview
- Importing ASCII Point Files
- Point Display Overview
- Defining & Creating Point Groups
- Printing Point Group Lists
- Updating Point Groups
- Inserting Point Groups
- Inserting & Listing Point Groups

Companion CBT Titles

LD 3 – Linework, Labeling and Contours
LD 3 – Alignments, Parcels & Layer Management
Autodesk Civil – Grading
Autodesk Civil – Hydrology
Autodesk Civil – Highways
Autodesk Survey

Prerequisites

Users should have completed the *AutoCAD 2002 Fundamentals* and *AutoCAD 2002 Advanced Features* CBTs/classroom training sessions, or have the equivalent hands-on experience.

System Requirements

Our Computer Based Training (CBT) CDs do not require the Autodesk software to be loaded on your machine. These are stand-alone lessons. Hardware requirements include:

- Microsoft Windows 98, 2000, XP or NT
- Microsoft Internet Explorer 5.5 or greater
- 1024x768 screen resolution & 32 bit true color display required
- 64 MB Ram minimum, 128 Ram recommended
- Intel Pentium II 233 MHz minimum
- 200 MB hard disk space required for installation
- CD-ROM drive and mouse (or pointing device) needed for navigation

Land Desktop 3 Linework, Labeling and Contours

CBT - Computer Based Training

What You Will Learn

This CBT covers the fundamentals of using Autodesk Land Desktop and exposes you to many of the line, point and surface functions, as well as contour and label features. These lessons are for users who want to expand their knowledge of the features, functionality and improvements included in the latest LDT software.

Topics

Topics covered on this CBT include:

- Linework Overview
- Special Line Types - Overview
- Labeling Areas
- Line Label Styles Overview
- Labeling Lines
- Tagging Labels
- Editing Labels
- Building a Surface - Setup - Overview
- Building a Surface
- Overview of Vertical Surface Analysis
- Working with Surface Breaklines
- Surface Outer Boundary - Overview
- Creating Contours
- Labeling Contours

Companion CBT Titles

LD 3 – Projects, Settings & Working With Points
LD 3 – Alignments, Parcels & Layer Management
Autodesk Civil – Grading
Autodesk Civil – Hydrology
Autodesk Civil – Highways
Autodesk Survey

Prerequisites

Users should have completed the *Land Desktop 3 Project Basics, Settings and Working With Points* CBT/classroom training session, or have the equivalent hands-on experience.

System Requirements

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Land Desktop 3 Alignments, Parcels & Layer Management

CBT - Computer Based Training

What You Will Learn

This CBT covers Land Desktop roadway layout & alignment tools, labeling, stakeout, subdivision layout and layer management. These topics are for users that need to expand their knowledge of the features and functionality of Land Desktop as it relates to survey and subdivision work.

Topics

Topics covered on this CBT include:

- Drawing Alignments
- Defining and Editing Alignments
- Offset Alignments
- Preparing Alignment Labels
- Labeling Alignments
- Stakeout Report - Alignment
- Defining Parcels
- Defining Lots - Slide Bearing Method
- Defining Lots - Radial Method
- Defining Complex Parcels - Temporary Parcels
- Defining Complex Parcels - Final Parcels
- Layer Manager - Groups
- Layer Manager - Snapshots

Companion CBT Titles

LD 3 – Projects, Settings & Working With Points
LD 3 – Linework, Labeling and Contours
Autodesk Civil – Grading
Autodesk Civil – Hydrology
Autodesk Civil – Highways
Autodesk Survey

Prerequisites

Users should have completed the Land Desktop 3 *Project Basics, Settings and Working With Points*, and the *LD3 - Linework, Labeling and Contours* CBTs/classroom training sessions, or have the equivalent hands-on experience.

System Requirements

Our Computer Based Training (CBT) CDs do not require the Autodesk software to be loaded on your machine. These are stand-alone lessons. Hardware requirements include:

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Autodesk Civil 3 - Grading

CBT - Computer Based Training

What You Will Learn

Expand your knowledge of the features, functionality and improvements included in the Land Desktop Civil Design module. This CBT focuses on the tools used for grading, the grading wizard, terrain models, grading objects, creating curb islands and parking lots, and designing detention ponds. It builds on the content presented in the three Land Desktop CBT titles.

Topics

Topics covered on this CBT include:

- Introduction to the Grading Object
- Modifying the Grading Object
- How to Apply Grading Settings Automatically
- Creating Surfaces and Contours from Grading Objects
- Stacking Grading Objects
- Combining Grading Objects
- Drawing a Pond Bottom Footprint for a Grading Object
- Working with Multiple Grading Objects
- Creating a Surface from Multiple Grading Objects
- Calculating Volumes
- Generating Volume Reports
- Balance Volumes for Grading Objects
- Introduction to 3D Polyline Tools
- 3D Polyline Tools - Part I
- 3D Polyline Tools - Part 2
- Using a Temporary Surface to Create 3D Polyines
- Daylighting a 3D Polyline
- Creating a Finished Ground Pline from 3D Polyines

Companion CBT Titles

LD 3 – Projects, Settings & Working With Points
LD 3 – Linework, Labeling and Contours
LD 3 – Alignments, Parcels & Layer Management
Autodesk Civil – Hydrology
Autodesk Civil – Highways
Autodesk Survey

Prerequisites

Users should have completed the three Land Desktop 3 CBTs/classroom training sessions, or have the equivalent hands-on experience.

System Requirements

Our Computer Based Training (CBT) CDs do not require the Autodesk software to be loaded on your machine. These are stand-alone lessons. Hardware requirements include:

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Autodesk Civil 3 - Highways

CBT - Computer Based Training

What You Will Learn

The lessons on this CBT focus on the tools used for highway design. Topics covered include roadway design, horizontal & vertical alignments, roadway templates, and super elevations.

Topics

Topics covered on this CBT include:

- Profile Settings
- Create Profile
- Moving a Profile
- Creating Proposed Profiles
- Edit and Label Finished Ground Profile
- Getting Started with Templates
- Drawing a Template
- Material and Pcode Tables
- Defining a Template
- Creating Existing Ground Sections
- Apply Template to Alignments
- Super Elevation on a Template
- Volume Reports for Templates
- Create Finished Ground Surface
- Pipe Settings
- Draw Pipe Run
- Pipe Run Graphic Tools and Editing
- Editing and Importing Pipe Runs

Companion CBT Titles

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LD 3 – Alignments, Parcels & Layer Management
Autodesk Civil – Grading
Autodesk Civil – Hydrology
Autodesk Survey

Prerequisites

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Autodesk Civil 3 - Hydrology

CBT - Computer Based Training

What You Will Learn

These lessons focus on the tools used for hydrology and also cover analysis methods, visualization tools, slope analysis, TR-55, runoff curves, and culvert design.

Topics

Topics covered on this CBT include:

- Pasting Surfaces Together
- Gathering Hydrology Data
- Determining Drainage Points
- Locating Culverts
- Subdividing Sub-drainage Areas
- Tabular Method TR-55 Pre-development Overview
- TR-55 Post-development
- Developing a Composite Hydrograph
- Sizing Storm Water Management Facilities
- Creating Storm Drainage Facilities

Companion CBT Titles

LD 3 – Linework, Labeling and Contours
LD 3 – Alignments, Parcels & Layer Management
LD 3 – Projects, Settings & Working With Points
Autodesk Civil – Grading
Autodesk Civil – Highways
Autodesk Survey

Prerequisites

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Autodesk Survey 3

CBT - Computer Based Training

What You Will Learn

We'll introduce you to surveying concepts, Autodesk Survey's data organization, and preferences. This CBT also covers boundary traverse basics, data collection, multiple traverse loop procedures, and working with survey figures.

Topics

Topics covered on this CBT include:

- Preparing to Download a Field book File
- Importing a Field book File
- Using Crandall's Rule
- Using the Least Squares Method
- Import Adjusted Coordinates
- Processing a Second Loop - Individual Approach
- Processing a Third Loop - Importing Corrected Data
- Figures - Introduction
- Processing a 3rd Loop - Manual Input
- Processing Multiple Loops - Network Approach

Trimble Link Data Import

Companion CBT Titles

LD 3 – Projects, Settings & Working With Points
LD 3 – Linework, Labeling and Contours
LD 3 – Alignments, Parcels & Layer Management
Autodesk Civil – Grading
Autodesk Civil – Hydrology
Autodesk Civil – Highways

Prerequisites

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