

TRANSITIONING TO BIM FOR LANDSCAPE WITH VECTORWORKS LANDMARK



VECTORWORKS®
LANDMARK





IMPLEMENTATION DETAILS CHECKLIST

With the landscape architecture and landscape design industries feeling the mounting pressure to participate in BIM workflows, we at Vectorworks understand that not every firm has the exact same needs or resources. As part of our customer success efforts, we have put together a checklist that leads both existing and new users through our many resources and down the path of success using Vectorworks Landmark as a BIM for landscape tool. This transition checklist is meant to be a self-paced guide, giving each firm and user the flexibility to prioritize the areas of knowledge needed to get up to speed with Vectorworks BIM.

The checklist provides links to Vectorworks online resources such as feature tutorials and educational webinars in the Vectorworks University based on specific topics and associated tasks for learning more. Note that clicking on some of these links may require a login to view these resources. Besides these links, users can also search the online documentation accessed from the Vectorworks command menu (Help → Vectorworks Help), seek advice in the Vectorworks Community forums, or contact their sales representatives for more information from our industry experts.

INTRODUCTION TO VECTORWORKS LANDMARK

Introduction to the latest Vectorworks Landmark offers to new and existing customers, including demonstrations of BIM workflows and tools.

MEET VECTORWORKS LANDMARK

[Website](#)

[Brochure](#)

[Product Video](#)

WHAT'S NEW

[Website](#)

[Brochure](#)

[New Feature Videos](#)

BIM WITH VECTORWORKS LANDMARK

BIM for Landscape

[Intro Movie](#)

[What is BIM for Landscape?](#)

Successful Users

[Ares Landscape Architecture](#)

[Huitt Zollars](#)

[Maffei Landscape Design](#)

[scape Landschaftarchitekten](#)

Presentations

[“Strategies for Adopting BIM in a Landscape Firm”](#)

by Eric Gilbey, PLA

[“Moving to BIM for Landscape: What You Need to Know”](#)

by Ricardo Ares and Sam Bailey

[“Transitioning to Information Modeling Workflows”](#)

by Eric Berg, PLA, Robert Anderson, PLA and Matthew Wilkins, PLA

[“Augmenting Site Design Workflows with Information Modeling”](#)

by Stephen Schrader, PLA



RESOURCES FOR VECTORWORKS SUCCESS

Installation, initializing customer subscription, web and mobile resources, and accessing customer success resources.

STRATEGIC PLANNING GUIDE FOR ADOPTING BIM IN LANDSCAPE ARCHITECTURE WITH VECTORWORKS LANDMARK

[PDF Download](#)

INSTALLING VECTORWORKS

[Vectorworks Installation](#)

[Hardware Requirements and Recommendations](#)

[Licensing - Received Serial Number\(s\)](#)

[Library Installation](#) - Vectorworks Package Manager

[Migration Manager](#) - Migrating Data from Previous Version

VECTORWORKS SERVICE SELECT

[Introduction/Benefits](#)

[Initialize Vectorworks Service Select Account and Log In](#)

Browse Portal

[Training](#)

[Support](#)

[Downloads](#)

[My Licenses](#), the License Management Portal

MOBILE/CLOUD APPS AND SERVICES

[Introduction/Benefits](#)

Install and Use

[Initialize Vectorworks Cloud Services Account and Log in](#)

[Vectorworks Cloud Services Desktop App and Cloud Publishing](#)

[Vectorworks Cloud Services Web Portal](#)

Vectorworks Nomad - [iOS](#) or [Android](#)

[Vectorworks Remote](#) (for Mobile and Desktop)

RESOURCES FOR VECTORWORKS SUCCESS (CONT'D)

GETTING HELP

Help Systems

Online Help (Accessed from the Vectorworks Command Menu)

[Developer Wiki](#)

[Vectorworks Community](#) - Set Up Vectorworks Community Board Account

[Vectorworks University](#)

Vectorworks, Inc.

[Training Calendar](#)

Premium Technical Support Phone Number and Email (provided upon
Vectorworks Service Select enrollment)

[Technical Support Contact Request](#) (For Non-Vectorworks Service Select Customers)

[Vectorworks Knowledge Base](#)

[Bug Submit](#)

[Vectorworks YouTube Channel](#)

[Regional Distributors](#)



VECTORWORKS CORE CONCEPTS

Introduction for new customers who are unfamiliar with Vectorworks, or a refresher for legacy users looking to brush up on their knowledge of the most recent version of Vectorworks.

INTERFACE BASICS

[Getting Started](#)

[UI Elements/Palettes](#)

[Workspaces](#)

RESOURCE MANAGER

[Intro Movie](#)

[Navigating Libraries](#)

NAVIGATION BASICS AND DOCUMENT ORGANIZATION

[Classes](#) and [Design vs. Sheet Layers](#)

[Creating Viewports](#)

[Saved Views](#)

[Referencing](#)

Clip Cube - [Section Viewport from Clip Cube](#)

DRAWING/MODELING

[2D Tools](#)

3D Tools

[Tool Set](#)

[Extrude](#)

[Add/Subtract Solids](#)

[Surfaces](#)

[Subdivision](#)

[NURBS Curves](#)

[NURBS Surfaces](#)

Object Types

[Plug-in Objects](#)

Containers - [Groups](#), [Symbols](#), and [Auto-hybrids](#)

PROJECT SETUP AND MODELING

Project file setup and basic BIM tools and workflows that can help you to become immediately productive.

BIM FOR LANDSCAPE TOOLS

Site Planning

[Plant Tool](#)

[Existing Tree](#)

[Landscape Area](#)

[Hardscape](#)

[Stake](#)

[Site Model](#) - [Site Modifiers](#), [Grade](#), [Contour Editing](#), and [Surface Sculpting](#)

[Railing/Fence](#)

[Wall](#)

[Massing Model](#)

[Property Line](#)

[Parking](#)

[Roadway](#)

GIS / Georeferencing

[Geolocate](#)

[Geoimage](#)

[Geostake](#)

[Enhance Site File Collaboration with Georeferencing](#)

[Modifying GIS Polygons by their Appended Data Records](#)

Irrigation Tutorials ([link to page](#))

Outlet

Drip Zone

Pipe

Valve

System components

Point of Connection

Design Zone

[Water Efficient Landscape Design](#)

[Hydrozone](#) - [Water Budget](#) (Worksheet)

PROJECT SETUP AND MODELING (CONT'D)

OFFICE TEMPLATES/STANDARDS

Documentation Graphics

- Title Blocks/Sheet Borders
- Dimension and Text Styles
- Graphic Widgets, Labels, and Tags
- Line and Fill Attributes

Object/Resource Libraries

- [Red Symbols](#) (PIO Presets)
- Detail Libraries
- Hatches/Tiles/Textures
- Object Libraries:
 - Manufacturer BIM Objects
 - Alumiguard (Fence/Gate)
 - Cambridge (Hardscape)
 - Escofet (Site Furnishing)
 - Extremis (Site Furnishing)
 - FueraDentrov (Site Furnishing)
 - Gravin (Site Furnishing)
 - HAGS (Playground)
 - Kornegay) (Site Furnishing)
 - Landscape Forms (Site Furnishing)
 - Marevoila (Planters)
 - Outdoor Greatroom (Site Furnishing)
 - Royal Botania (Site Furnishing)
 - Santa and Cole (Site Furnishing)
 - SiteScapes (Site Furnishing)
 - TechoBloc (Hardscape)
 - Tuuci (Umbrella/Shade)
 - Varaschin (Site Furnishing)
 - Non-Manufacturer BIM Objects

PROJECT SETUP AND MODELING (CONT'D)

Schedules

[Preformatted Database Worksheets](#)

Stationery File

[Templates](#)

Shared Resources

Vectorworks Preferences: Workgroup and Project Folders

CREATING DOCUMENTATION/PRESENTATIONS

Learn how to use the model as the integrated basis for design and technical documentation, including model-linked schedules, as well as presentation visuals and client communications.

AUTOMATIC DOCUMENT COORDINATION (ADC) DOCUMENT INFORMATION MANAGEMENT

- Sheet Border and Title Block
- Issue Manager
- Revision Manager

MANAGING VIEWPORT VISIBILITIES

- [Data Visualization Webinar](#)

ANNOTATION

- Viewport Annotation vs. Design Layer Annotation
- [Dimensioning](#)
- Callouts, Keynotes, and Keynote Manager (Using) and Callouts (Basics)
- Misc. Annotation Objects - Benchmarks

THE "I" IN BIM: DATABASE WORKSHEETS AND SCHEDULES

- [Creating Reports/Schedules](#)
- Creating Records, IFC compatibility
- Record Formats
- Interactive ("Two-way") Editing - Finish Schedule Example

CREATING DOCUMENTATION/PRESENTATIONS (CONT'D)

GREAT DESIGNS DESERVE GREAT VISUALS

Beyond technical documentation, discover how to harness the power of Vectorworks to create design presentation assets.

[Renderworks](#) - [Renderworks 101](#) and [Advanced Renderworks Tips, Tricks, and Techniques](#)

[Camera Match](#)

[Web View](#)

[Panoramas](#)

PRINTING/PUBLISHING

[Getting Started: Printing/Publishing](#)

Publish Command and Workflows

Sets

Optimizing for 1/2-Size Printing/Plotting

PROJECT COLLABORATION & DATA INTEROPERABILITY

Using Project Sharing for office team collaboration and leveraging Vectorworks' unparalleled ability to share data with many other software tools.

BIM PROJECT EXECUTION PLANNING

BIM Execution (Implementation) Plan

VECTORWORKS TEAM COLLABORATION

[Project Sharing](#) - Set Up and Management, Do's and Don'ts

Referencing/Coordinating External Data

IN AND OUT: INTEROPERABILITY AND COLLABORATION

Sharing information by exchanging models and data to and from others in various modes.

Images

Computer-aided Design

[DWG Import/Export](#)

openBIM®/IFC (guide)

IFC Data

Export IFC Project

IFC Mapping

Point Clouds

[Point Clouds to Documentation](#)

[Photos to 3D Models](#)

[Point Cloud Analysis and Management](#)

3D Modeling

SketchUp Import/COLLADA Export

3DM (Rhino3D/NURBS)

OBJ/3DS

VECTORWORKS UNLEASHED

Advanced tools and workflows to harness the full power and flexibility of Vectorworks.

MARIONETTE

[Marionette Training and Resources](#)

ODBC

VECTORWORKS DESIGNER

[Architect Tools](#)

[Spotlight Tools](#)

EXPLORING DESIGN WORKFLOWS

Not all projects start in the same place or move in the same direction, but Vectorworks is flexible enough to adapt to your design methods. Three often requested workflows to mention are starting a project with sketched field notes, implementing sketched design ideas and working off of a background PDF file. The following links can help realize how flexible Vectorworks can be with these workflows and will suggest that any custom workflow you may pursue can be accomplished by assembling the capabilities of several tools to accomplish each step.

STARTING WITH A SKETCH, SCANNED IMAGE OR PDF FILE

[Importing Scanned Images](#)

[Import PDF](#)

[PDF Snapping](#)

[Scale Objects by Known Measurements in the Scan](#)

[Trace Bitmap](#)

[Quick Tracing with Polylines](#)

GET IN TOUCH

If you have any further questions or feedback on the checklist, please feel free to contact us at landmark@vectorworks.net.

VECTORWORKS, INC.

7150 Riverwood Drive, Columbia, MD 21046-1295 USA

VECTORWORKS.NET

T 410.290.5114

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