

# Landscape Estimating Methods Means Landscape Estimating

SUPERB EXECUTION RELIES UPON RIGOROUS PROJECT DOCUMENTATION A project will only be built as well as it is documented. This publication focuses on the key documentation needs of the landscape architectural design and construction documentation process. That includes both "design documentation" and "construction documentation" as well as all that which occurs in the transition from one phase to the other. Documentation requirements include those components necessary to explore and define design intent, logic, physical proposals, and ultimately, the specific components included within construction and bid documents. Discover how proper documentation facilitates every stage of the design process from pre-planning to construction, and leads to a highly resolved built outcome. Understand the principles behind these documentation practices. Implement best practices specific to each documentation phase and drawing, from title block and cover sheet design to soil plans and plant protection. Organize keynoting systems, cross-referencing and interdisciplinary coordination amongst multiple consultants and vendors. Study sample project documents from a leading landscape architecture firm to better understand the elements and benefits of complete and well-coordinated project documentation. These standards have been time-tested by over 150 designers at the industry leading landscape architecture firm

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Design Workshop, reflecting a range of project types, including parks, streetscapes, urban spaces and over-structure construction. This guide shares the methods behind the success, to facilitate exceptional built outcomes through principled documentation practices.

**THE COMPLETE GUIDE TO THE SUSTAINABLE MANAGEMENT OF LANDSCAPES** A must-have guide for anyone working with landscapes, Sustainable Landscape Management eases the transition of the landscape industry into a new era of green consciousness. Filled with examples that illustrate best practices, the book provides a practical framework for the development of sustainable management strategies from design to execution and, eventually, to maintenance in an effort to construct landscapes that function more efficiently and minimize the impact on the environment.

**Sustainable Landscape Management includes:** An overview of sustainable design and construction techniques as the basis for the maintenance and management of constructed landscapes Coverage of ecosystem development, managing landscape beds, managing trees and shrubs, and lawn care An entire chapter devoted to issues associated with the use of chemicals in landscape management Guidance on retrofitting existing landscapes for sustainability

Reshaping the landscape takes on more significance as society embraces a new value system for advancing environmentally friendly ideals. By following the management principles laid out in this book, readers will learn the key elements for building landscapes that integrate beauty and function to create a sustainable

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presence that extends well into the future.

Answers all your questions about preparing competitive landscape construction estimates...Means Landscape Estimating is a thorough, easy-reading, organized working tool that talks you through every step of preparing effective bids and estimates in a minimum of time -plus guidance for planning jobs and marketing your company.Written by an award-winning landscape designer and contractor, this edition of Means Landscape Estimating features an updated sample estimate, new productivity information, and reproducible forms. It includes a chapter on how to use Means Site Work & Landscape Cost Data as a pricing resource. Landscaping continues to be an in-demand business field for motivated entrepreneurs. This seventh edition includes updated information on business plans, managing both employees and paperwork, taxes, and in-depth discussions on the role social media can play in your successful landscaping business.

Cost data for fast accurate estimates if you're in the preliminary stages of a project.

With Means Site Work & Landscape Cost Data 2000, you get much more than just the most reliable costs in the industry. You'll also have instant access to over 600 pages of up-to-date estimating guidelines, tips and more -- All Repriced for 2000 - including: -- Year 2000 Crew Listing for over 400 standard construction crews, including many specifically related to site work and landscape projects. Simplifies pricing out labor. Budgeting. Scheduling. Customizing costs. -- The latest On-Site Localization Factors for 930 cost zones in the U.S. and Canada. One simple calculation is all it takes to convert Means national average prices to the prices at your

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project site. -- Historical Cost Tables make it easy to update old estimates for comparative purposes. Save time on order to magnitude estimates... bid/no bid decision-making. -- Year 2000 Reference Section, completely cross-referenced to cost pages, is packed with must-have pointers, tips, guidelines and more Information designed to help you avoid costly oversights and errors -- Step-by-Step Instructions make it easy to estimate with Means Site Work & Landscape Cost Data 2000, Even if You've Never Done it Before Contains highlights of new developments in managing and maintaining the attractiveness of wildland landscapes. The latest edition of this text provides construction costs for hundreds of commercial, residential, industrial, and institutional buildings and now includes updated mechanical assemblies and green materials.

RSMMeans Square Foot Costs 2007 is useful for anyone who needs rapid budget cost estimates in the office, with a client, or in the field. Architects, design-build contractors, real estate developers, corporate planners, appraisers, and assessors will find the book to be a valuable, time-saving tool. This manual provides clear descriptions and illustrations of hundreds of residential, commercial, industrial, and institutional buildings. For those preparing more detailed estimates, costs are broken down into "assemblies" component specifications and costs. This fully illustrated section simplifies component identification and pricing.

Landscape ecology is a rapidly growing science of quantifying the ways in which ecosystems interact - of establishing a link between activities in one region

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and repercussions in another region. Remote sensing is a fast, inexpensive tool for conducting the landscape inventories that are essential to this branch of science. However, anyone who has conducted studies in the field has already found that traditional landscape ecology metrics are not always reliable with remote images. *Landscape Ecology: New Metric Indicators for Monitoring, Modeling, and Assessment of Ecosystems with Remote Sensing* presents a new set of metrics that allows remotely sensed data to be used effectively in landscape ecology. This groundbreaking new work is the first to present new metrics for remote sensing of landscapes and demonstrate how they can be used to yield more accurate analyses for GIS studies. The new metrics expand the capabilities of GIS, reduce interference and incorrect readings, help ecologists better understand ecosystem relationships, and reduce study costs. This set of metrics should be adopted by the EPA and will be the standard measure for future landscape analysis. This authoritative guide assesses the current state of the field and how remote sensing and landscape metrics have been used to date. It also explains how some of the traditional metrics were developed and how they can fail in landscape studies. Once this background has been established, the new metrics are introduced and their benefits and uses explained. The information in this book has

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previously been available only in scattered journal articles; this is the first single source for complete background information and instructions on using the new metrics.

Designed to fulfill a wide variety of needs, it is as helpful to the builder doing small-scale remodeling jobs as it is to the facility manager needing costs and time estimates for building renovations. It's the most versatile, easy-to-use cost and bidding reference available. The 2002 Reference Section provides the depth of technical detail to estimate projects with precision and expertise... invaluable supplemental information not provided in any other cost

publication. What you'll find in the 2002 edition: --

Over 17,000 unit prices completely updated for 2002

-- material, labor, and equipment plus productivity information including labor hours and daily output --

Expanded information relevant to historic restoration and renovation including windows, doors, millwork, and surface preparation. -- 90 assemblies with over

4300 variations for accurate conceptual stage

estimating. -- Plus: The latest 2002 costs for crews and equipment. Easy-to-use city cost adjustment

factors for 316 metropolitan areas in the U.S. and Canada, plus Location Factors for quick indexing to all 3-digit zip code sectional centers in the U.S. and

selected locations in Canada. -- Critical tips on change order estimating. Easy-to-find identification of handicapped access costs. Exhaustive reference

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information. Estimating tips. Easy-to-use index. -- Now conforms to the latest CSI MasterFormat Master List of Numbers and Titles for Unit Prices, and UNIFORMAT II numbering system for the Assemblies section.

Lawn Care or Landscaping Business shows you how to create a revenue stream in your (or anyone's) backyard. This guide features information on how to start businesses in the areas of lawn care and maintenance as well as specialty, residential, and commercial landscaping.

If you enjoy the outdoors, love nature, or enjoy the smell of fresh cut grass, then a lawn care or landscaping business is your chance to rake in plenty of green. Your business can range from lawn maintenance to applying chemicals, trimming and shaping trees to designing landscapes for residential or commercial jobs. Everything you need to start a successful lawn care or landscaping business is in your hands. Start turning green grass into cold cash today!

Expanded listings for 2009 include demolition, glazing, roofing, insulation, HVAC, and lightning. This proven guide assists in estimating the unique conditions of renovation and repair projects easily and accurately. This best-selling reference for landscape contractors, designers, and facilities maintenance personnel – now updated in its fifth edition – features the latest design trends and technologies. Includes: Step-by-step explanation of the estimating process – including full sample estimate for a major landscape project – updated

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with current costs and the new MasterFormat classification system. Expanded and revised to address the latest materials and methods, including new coverage on approaches to green building that save water, reduce maintenance costs, and provide other benefits to the facility. Sample forms and worksheets that save you time and prevent errors, now available on a new companion website. Download the forms of your choice and customize them for your firm. Professional guidance on calculating and controlling equipment costs – whether purchased or rented – and how to apply them correctly to each job. Assistance in planning and identifying maintenance costs. Your best source for professional guidance on accurate landscape estimates and reliable bids. FEATURES: Includes a companion website with the book's forms and worksheets to download and customize. Features new coverage of the latest industry trends, materials, and methods to save water and reduce maintenance costs.

Designed for estimating for infrastructure improvements, environment-oriented construction, hazardous waste, ADA-mandate handicapped access and more. Including costs for polyethylene pipe, insulated concrete forms, aerators, soil nailing, concrete curbs, demolition items, utilities, security items, etc.

This thesis uses quantitative research methods to study detailed cost estimating to determine how accurately this estimating procedure helps landscape architects forecast construction costs in the Dallas - Fort Worth Metroplex. Specifically, this study seeks to determine the benefits for landscape architects in providing detailed cost estimates to

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their clients as a deliverable during the design process. Considering how accurate forecasts of construction costs could be used to meet clients' budget expectations more effectively, this is an important field of study for landscape architecture. By evaluating the construction documents costs for each of the study's landscapes, the research determines whether construction costs are in fact accurately forecasted by the cost estimation process. This research analyzes the responses from members of the construction development team. The teams are made up of project owners, landscape architects, and prime contractors who may have knowledge of detailed cost estimates. The research determines if these team members were more satisfied with the outcome of the project than clients who did not receive such estimates. Additionally, this research analyzed the construction cost estimation process and construction documents to understand how landscape architecture practitioners benefit from the implementation of detailed cost estimations into their design processes. Detailed cost estimates directly influences design, making the predictive process all the more important for landscape architects to accurately forecast construction costs. This research focuses primarily on the detailed cost estimating process as it was one of the several estimating methods used in determining the actual construction cost for the projects being studied. This research investigated the importance of detailed cost estimating by implementing an online survey strategy. Structured with trade specific question sets for project owners, landscape architects, and prime general contractors, the survey sought to collect data from individuals familiar with landscape construction work, as well as cost estimation. The principals and themes of this data addresses factors such as compliance with local government construction guidelines and building ordinances. Additional data collected from landscape construction specifications,

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landscape construction design notes, construction details, subcontractor notes and other factors related to estimating landscape construction costs were catalogued into a basic inventory which further organized these data into respective themes. In summary, the collection, inventory and analysis of the data from the study defined a process that contributes to understanding how detailed cost estimating verifies whether the cost of a project is indeed the actual construction cost. The analysis of these findings aided in determining detailed cost estimation is considered an accurate and valuable construction cost forecast tool by landscape architects. Comparisons and findings, in addition to the survey results, also suggested that adapting detailed cost estimating into the design process assists landscape architects deliver projects that accurately matches the construction budget expectations of the owner.

Landscape Construction, 3rd edition, will help your students understand the process of construction and implementation of a multitude of exterior hardscape construction projects. This book begins with the preparation for construction and follows through to the installation of the final elements of the landscape project. Your students will appreciate the detailed discussions about site preparation, grading and drainage, utilities and irrigation, retaining wall construction, paving, exterior carpentry and fencing and free-standing walls. Such amenities as pools, ponds, and edging are also discussed in detail. All instructions are well supported by photos and illustrations. Each section contains thorough installation information for most of the contemporary materials used in today's landscapes. David Sauter has provided your students with expert perspective on materials and techniques, as well as easy-to-follow instructions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Landscaping: Principles & Practices, 7th Edition, provides students and practitioners with the information needed to be successful in the classroom and the workplace. Focusing on three areas of professional practice; design, contracting, and management, the reader is provided the basic knowledge integral to the industry in straightforward, easy-to-read chapters. It also addresses traditional topics such as design, plant installation, and pricing, as well as topics not found in most other texts, such as interior landscaping, xeriscaping, water gardens, and safety. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This easy-to-read text provides professional methods for estimating and bidding landscaping projects and grounds maintenance contracts. The handbook gives tips on best techniques for saving money and winning jobs--plus sample forms and worksheets to save time and avoid errors.

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