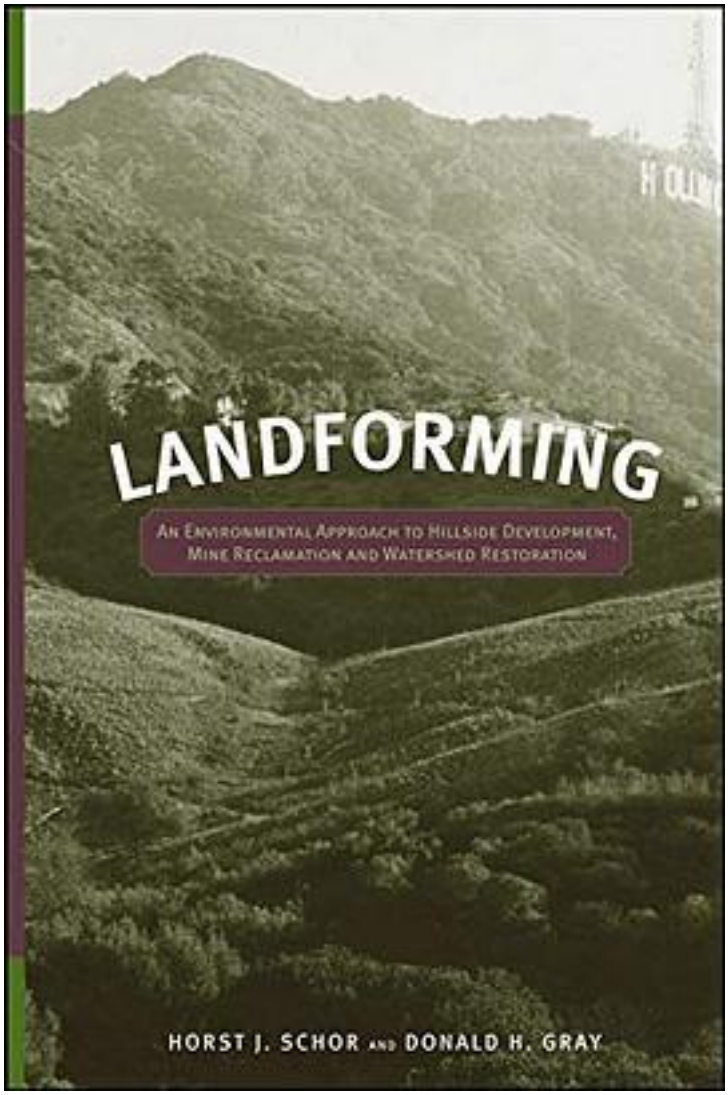
Landforming



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The first hands-on instruction guide to landform grading and revegetation

Landform grading provides a cost-effective, attractive, and environmentally compatible way to construct slopes and other landforms that are stable and that blend in with the natural surroundings. Landform grading design and construction technology have advanced rapidly during the past decade, and this book explains the technique, its uses, its various applications, and its significant advantages. Landforming: An Environmental Approach to Hillside Development, Mine Reclamation and Watershed Restoration, presents the first comprehensive and practical guidebook to the innovative techniques of landform grading and revegetation. Citing numerous practical applications in such areas as hillside housing developments, mass grading operations, surface mining and watershed reclamation projects, the authors--one an internationally recognized instructor and the other an engineer with over thirty years of practical experience in the field--have teamed up to provide valuable information on: The aesthetic and ecological benefits of landform grading and revegetation Analyses that demonstrate the stability of landform designed slopes Real-world design/construction procedures Construction in both upland slope areas and in stream corridors Analytical procedures and design aids to assist implementation Well documented and comprehensive case studies of actual projects Written in straightforward language and liberally illustrated with informative photographs and schematic drawings, the text should prove of value to practicing professionals in such diverse fields as land planning, civil and geotechnical engineering, landscape architecture, and geology as well as to personnel in a variety of local, state and federal regulatory agencies and environmental interest groups. HORST J. SCHOR is the originator of the Landforming and Revegetation Concept and is Principal of H.J. Schor Consulting. He has developed landform grading designs that have been implemented in a variety of hillside grading and mining reclamation projects for a diverse list of clients. He has been a guest lecturer at The University of Wisconsin-Madison, The University of Dresden, Germany and The University of California at Irvine. DONALD H. GRAY, PHD, is Professor Emeritus of Civil and Environmental Engineering at The University of Michigan. In addition to speaking and teaching internationally, he has co-authored three books on subjects related geotechnical engineering and biotechnical slope protection.

作者介绍:

目录:

标签

landscape

景观

landscape+ecology

生态

专业

engineering

e

construction

评论

该书的标题应该罗嗦地译为《拟自然地貌形态的土地再造》。它也不是一本简单的景观设计书，而是civil engineering的课本。该书首先提出：为何自然地貌上会有各类的冲沟、不同的坡度以及植被？为何人造的挡土墙往往比自然地貌更容易坍塌？然后，该书深入到地质学、土壤、山坡受力分析和力学公式，生态学，阐述了人类在对自然地貌进行改造，或是对矿山、坑洞进行修复时，所应该遵守的设计原则，以及有关坡度设计的种种奥秘。总之，它更偏向工程技术与生态学。

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书评

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