Contents

Introduction

What Is This Manual for? What Is Smart Growth?

The Region

1	Rea	ional	Princi	ples

- 1.1 Inevitable Growth
- 1.2 A Regional Plan
- 1.3 Community Involvement
- 1.4 The Transect
- 1.5 The Neighborhood
- 1.6 Growth Priorities
- 1.7 Affordable Housing
- 1.8 Distribution of LULUs
- 1.9 Food Security
- 1.10 Shared Wealth
- 1.11 Scale of Governance
- 1.12 Coordinating Policy
- 1.13 Legalizing Smart Growth
- 1.13 Legalizing Smart Growth
- 1.14 The Limits of Water
- 1.15 The Shrinking City

2 The Regional Plan

- 2.1 Map the Greenprint
- 2.2 Map the Rural Preserve
- 2.3 Map the Rural Reserve
- 2.4 Map Development Priorities
- 2.5 Map the Neighborhoods
- 2.6 Map the Districts
- 2.7 Map the Corridors and Regional Centers
- 2.8 Create a TDR Program
- 2.9 Incentivize Smart Growth
- 2.10 Adopt a Smart Growth Code

Regional Transportation

- 3.1 Transportation/Land-Use Connection
- 3.2 Multimodal Balance
- 3.3 Building a Transit Region
- 3.4 Transportation Choice
- Transit That Works 3.5
- 3.6 The Railway System
- 3.7 Mobility and Accessibility 3.8
- The Townless Highway
- 3.9 The Highwayless Town 3.10 Induced Traffic
- 3.11 Taming the Automobile
- 3.12 Bicycle Network
- 3.13 Congestion Pricing
- 3.14 Shared Vehicles

The Neighborhood

4 **Natural Context**

- 4.1 Preserving Nature
- 4.2 Celebrating Nature
- 4.3 Preserving Trees
- 4.4 Celebrating High Points
- 4.5 Reducing Cut and Fill
- 4.6 Maintaining the Soil
- 4.7 Managing Stormwater
- 4.8 Preserving Wetlands
- 4.9 Conserving Water
- 4.10 Urban Parks
- 4.11 Natural Corridors

5 **Neighborhood Components**

- 5.1 Mixed Use
- 5.2 The 24-Hour City
- 5.3 Housing Diversity
- 5.4 Retail Distribution
- 5.5 Workplace Distribution
- 5.6 Civic Sites
- 5.7 Neighborhood Schools
- 5.8 Support Services
- 5.9 Local Open Space
- 5.10 Housing Density
- 5.11 Nearby Farms
- 5.12 Clustering Houses
- 5.13 Open Communities

Neighborhood Structure

- 6.1 Neighborhood Size
 - 6.2 Neighborhood Organization
 - 6.3 Pocket Parks
 - 6.4 Open-Space Types 6.5 Form-Based Zoning
 - 6.6 Transit Orientation
 - 6.7 Edible Gardens
 - 6.8 The LEED-ND Rating System

The Street

- Thoroughfare Network
 - 7.1 The Network
 - 7.2 Connected Thoroughfares
 - 7.3 Connections Beyond
 - 7.4 Block Size
 - 7.5 Sidewalk Substitutes
 - 7.6 Designed Vistas
 - 7.7 Curvilinear Streets
 - 7.8 Urban Triage

8 Thoroughfare Design

- 8.1 Complete Streets
- 8.2 Design Speed
- 8.3 Complex Geometries
- 8.4 Curb Radii
- 8.5 On-Street Parking
- 8.6 One-Way and Multilane Streets
- 8.7 Context-Responsive Thoroughfares
- 8.8 Avenues and Boulevards
- 8.9 Free-Flow Streets and Roads
- 8.10 Slow-Flow Streets and Roads
- 8.11 Yield-Flow Streets and Roads
- 8.12 Rear Alleys and Lanes
- 8.13 Passages and Paths

Public Streetscape

- 9.1 Sidewalks
- 9.2 Street Trees
- 9.3 Curbs and Swales
- 9.4 Streetlights
- 9.5 Pavement Materials
- 9.6 Sidewalk Obstructions 9.7 Utility Placement

10 Private Streetscape

- 10.1 Street Walls
 - 10.2 Short Setbacks
 - 10.3 Building Attachments
 - 10.4 Building Heights
 - 10.5 Skyscrapers
- 10.6 Eyes on the Street
- 10.7 Shops on the Sidewalk
- 10.8 Retail Management

11 Parking

- 11.1 Downtown Parking Policy
- 11.2 The High Cost of Free Parking
- 11.3 The Parking Shed
- 11.4 Neighborhood Parking
- 11.5 Hiding Parking Lots
- 11.6 Parking Lot Quality
- 11.7 Parking Conversion
- 11.8 Parking Lot Access
- 11.9 Rear-Access Parking
- 11.10 Front Garage Setback

The Building

- 12 Building Types
 - 12.1 Form-Based Codes
 - 12.2 Mid-rises and Highrises
 - 12.3 Commercial Lofts
 - 12.4 Apartment Houses
 - 12.5 Live/Work Buildings
 - 12.6 Rowhouses
 - 12.7 Cottages
 - 12.8 Large Houses
 - 12.9 Courtyard and Sideyard Houses
 - 12.10 Ancillary Dwellings

13 Green Construction

- 13.1 Natural Light and Ventilation
 - 13.2 Solar Orientation
 - 13.3 Heat and Light
 - 13.4 Energy-Efficient Design
 - 13.5 Sustainable Building Materials
 - 13.6 Buildings That Learn
 - 13.7 On-Site Energy Generation
 - 13.8 Healthy Buildings
 - 13.9 Yard Trees
 - 13.10 Xeriscape
 - 13.11 Waste Management
 - 13.12 Green Building Standards

14 Architectural Design

- 14.1 Regional Design
- 14.2 Consistency of Appearance
- 14.3 Noxious Elements
- 14.4 Residential Privacy
- 14.5 Universal Design
- 14.6 Historic Buildings
- 14.7 Historic Schools
- 14.8 Subsidized Housing
- 14.9 Civic Buildings

Appendix

Useful Statements Smart Growth Directory Acknowledgments Image Credits

Index