Concepts of URBAN DESIGN

DAVID GOSLING BA DIP TP M ARCH (MIT) MCP (YALE) RIBA MRTPI ARIAS FRSA BARRY MAITLAND BA (CANTAB) DIP ARCH MA PHD (SHEFFIELD) RIBA

ACADEMY EDITIONS · LONDON / ST. MARTIN'S PRESS · NEW YORK

First published in Great Britain in 1984 by Academy Editions 7/8 Holland Street London W8

Copyright © 1984 David Gosling and Barry Maitland All rights reserved No parts of this publication may be reproduced in any manner whatsoever without permission in writing

Published in the United States of America in 1984 by St. Martin's Press 175 Fifth Avenue New York NY 10010

Library of Congress Catalog Card Number 83-50703 ISBN 0-312-16121-2 (cloth) ISBN 0-312-16122-0 (paper) USA only

Edited and designed by Frank Russell with Richard Cheatle and Vicky Wilson

Printed and bound in Hong Kong

PHOTOGRAPHIC CREDITS

Aerofilms Ltd., 74 top left; ALCAN, 49 top and right, 50 top and bottom; Peter Aldington, 111 top centre and right; Salman Al-Sadairy, 151; Emilio Ambasz, 121, 122, 131 top; Donald Appleyard, 45, 48 top right; Archigram (Ron Herron), 36 top, 63 bottom right; Architectural Design Magazine/Derek Walker, 39 top; Arrowstreet Inc., 72, 73; Arup Associates, 99; ASSIST (David Simister/Vernon Monaghan), 59 top; Associated Press, 123; Ian Athfield, 85; Leonardo Benevolo, The History of the City, Scolar Press, 12; Sefik Birkiye and Patrick Kelly, 104 bottom right; Blackpool Pleasure Beach Company. 113 right; V. Bogakas, 30; Alvin Boyarsky, 147 left top and bottom; Brecht-Einzig, 98 top, 111 top centre and right; Geoffrey Broadbent, 76: Neave Browne, 75; Building Design Partnership, 101 bottom; Martin Charles, 75; Cinco Por Infinitus Publishers, 44 top; Peter Cook, 62 left, 63 top left, centre and bottom right, 120: Lucio Costa, 22 top left; Christopher Cross, 146; Gordon Cullen, 6, 49, 50 top left, 51 left, 60, 132, 150; Cumbernauld Development Corporation, 56; Richard Dinsdale, 18, 22 right top and bottom, 79 top, 90 right, 97, 111 bottom right, 119 bottom left; Bob Dunlop, 41 top; EMBRATUR, 13 bottom, 16 top, 107 top left; Ralph Erskine, 68, 91 top left and right; John Ferguson, 50 bottom left, 113 bottom left, 148 bottom, 149 bottom, 150; Foster Associates, 98 bottom: Fotozenitale, 100 bottom left; Ulrich Franzen/Lionel Freedman, 66 top: Keither Gibson, 67 bottom left: Terry Gilliam/Eyre Methuen Ltd., 44 bottom: Michael Gold and Peter Baker, 90 left; David Gosling, 15, 16 top, 17, 20, 21, 23, 37 bottom, 40, 41 top, 43, 46, 47, 48 left, 57 right, 58 bottom left and right, 78, 79 bottom left, 82, 84 bottom. 109 top, 112, 113 right, 114 left, 115 top left, 126 centre and bottom, 148 top left. bottom, 149 bottom, 150 bottom: Miriam Gosling, 6: Michael Graves, 116: Cedric Green, 68: Vittorio Gregotti, 100 bottom left; Ara Guler, 28 top right; Nicholas Habraken, 38 top left; Rod Hackney, 59 bottom; Hall Photography, 57 centre and bottom left; Zvi Hecker, 119 bottom right; Herman Hertz berger 131 bottom Geoffrey Holland, 97; Irvine Development Corporation, 57 (with John Mills, 57, model: with Hall Photography, 57 centre and bottom left); Arata Isozaki, 36 bottom right: Italian Tourist Board, 29 top left; Allan B. Jacobs, 110: Japan Architect, 55 top right: Kikutake & Associates, 54, 55 bottom; Leon Krier, 103 centre and bottom right, 105, 135 left; Rob Krier, 103 top, 134; Lucien Kroll, 128; Brian Lawson/GABLE, 51 right: LDDC Design Team. 149 top right; LTV Aerospace Corporation, 66 bottom; Kevin Lynch, 48 top right; Richard MacCormac and Peter

INTRODUCTION

PART ONE: THE NATURE OF THE
PROBLEM
1.1 The Design of Destances of

1.1 The Economic Background	10
1.2 Engineering Considerations	12
1.3 Social Implications	14
1.4 The Threat to Ecology	18
1.5 The Imposition of Design	19
1.6 Conclusion: The City Image	22

PART TWO: SOURCES AND THEORIES

OF URBAN DESIGN		
2.1 Natural Models	25	
2.2 Utopian Models	32	
2.3 Models from the Arts and Sciences	40	

PART THREE: APPLICATIONS -INTERNATIONAL CASE STUDIES IN

URBAN DESIGN				
3.1	Economic Solutions: The City as			
	Process	54		
3.2	Engineering Solutions: The City as a			
	Technical Device	62		
3.3	Social Solutions: The City as an			
	Expression of Social Order	72		
3.4	Professional Solutions: The City as a			
	Resolution of Design Problems	87		
3.5	Formal Solutions: The City as			
	Coherent Experience	103		
PA	RT FOUR: FUTURE DIRECTIONS	118		
	Urban Design as Political Statement	125		
	Urban Design as Technique	127		
	Urban Design as Mediation	128		
	Urban Design as Private Display	129		
	Urban Design as Public Presence	131		
	Urban Design as Theatre	132		
	Urban Design as the Guardianship			
	of Urban Standards	134		
4.8	Urban Design as Collage	138		
PA	RT FIVE: CONCLUSION	141		
	The Need for an Urban Design Plan	141		
5 2	Towards a Minimal Theory of Urban			
	Structure	153		
		156		
APPENDIX				

BIBLIOGRAPHY	158
ACKNOWLEDGEMENTS	168
INDEX	169

- - INDEX

CONTENTS