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- A large, diagonal photograph of a modern residential complex. The image shows a swimming pool with a small waterfall on the left, surrounded by lush greenery, palm trees, and modern buildings with blue accents. The image is framed by a green diagonal line.

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居
Community

辽宁科学技术出版社

居住区景观设计

Community Landscape Design

(印)程奕智 / 编 常文心 杨莉 / 译

辽宁科学技术出版社

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Preface 前言

As the world is undergoing rapid urbanisation and demands for good housing in cities soar, we are looking for residential environments where we can take refuge from our intense and hectic lifestyle. This enticing book is a window to diverse range of community landscape design creating exceptional living environments across the globe addressing this need of high-quality housing. Filled with exciting images from projects designed by renowned international firms this book is a visual treat for all professionals, students and design lovers. Showcasing ways to choreograph unique experiences in residential developments it gives us a comprehensive portrait of inspiring landscape projects worldwide. This stimulating book is divided broadly into three sections – high-rise residential tower landscape, mid-rise residential block landscape and the low-rise villa landscape as each category has its unique landscape character. The high-rise residential blocks are increasingly integrating vertical green features as part of façade with sky decks and terrace gardens. Open spaces incorporating all the community facilities are generally on decks with parking below. In contrast, the landscape feel in mid-rise residential block developments is more of being in a courtyard environment. Very often roof gardens become another space for community interaction in this form of development as allotment gardens and urban farms. The landscape design for villa development with its low-rise architecture has its own intimate feel and character. With private gardens, leafy streets and community greens it is a delicate interplay of finer texture and scale evoking its unique charm and sense of place. Bringing all these disparate design approaches together under one comprehensive volume makes this book a stimulating and inspiring journey through the world of contemporary residential landscape.

Landscape design for residential developments is becoming increasingly diverse in its scale and ambition. Due to advancement of technology and blurring of work-life boundary, our home as a refuge is increasingly becoming crucial in fostering our well being. Hence designers are moving towards creating oasis like spaces where residential developments are conceived with lavish pools and extensive gardens. As a result, new outdoor experiences integrating art and culture are starting to evolve as the boundary between indoor and outdoor spaces blur. Landscape design is unique in many senses. The key tool for creating spaces remains the use of plants that grows and changes with time. The

dynamic plant cycle with its colour and texture mixed with hardscape elements give landscape architects a vibrant set of materials to play with. Water with its various forms adds fluidity and reflection as well as calmness and movement. Lighting at night adds its own drama. Equipped with these tools landscape architects can create a unique and dramatic experiences in projects where culture, context, sustainability and budget form some of the key parameters.

The beautifully articulated projects in the book demonstrate how landscape architects integrate these parameters in their projects. For example, Shma's SUMMER project near Bangkok is a stunning choreography of art, architecture and nature. It is a landscape where context of sea is abstracted in a series of unique geometrical forms to create a dramatic experience. Linking culture and context in abstract form is demonstrated in the sublime design of Trop's Baan Sansuk development. Here the interplay between rocks and boulders with water create a grand setting for the residential courtyard. Another project that beautifully integrates the context of water in its physicality is Rolfsbukta in Oslo, Norway by Bjorbekk and Lindhelm where water is brought into the site through a canal connected to the bay. Sustainability plays a dominant role and becomes a big driver for projects like The Neo Bankside in London by Gillespies and Block 32 at Rino, Denver by studioINSITE. Both the projects generate unique character by using native planting and fostering local biodiversity. In Block 32 the installations integrated with solar panels as sculptural elements no doubt form a playful response to the project's location within the art district.

Creating compelling public spaces with limited budget for social housing projects is always a challenge. However projects like Exemplary Social Housing Project in Munich by Irene Burkhart Landscape Architects and 209 Guadabajaque Council Housing in Jerez de la Frontera, Spain by Acta Sim, Manuel Narvaez Perez and Fernando Visedo Manzanares show how simple and sensitive approach to design can create great community landscape for residents to enjoy. Inclusion of exemplary social housing landscape projects in this book is no coincidence as large population migrates to cities and look for affordable housing. Undoubtedly social housing landscape will be one of the key areas for future landscape design. Another new avenue of residential design will stem from the aging population. A design that is sensitive, imaginative and

community focused will be the key in fulfilling user aspiration. Designers need to consider the aspects of safety, materiality and accessibility to generate a holistic living environment for the elderly.

In order to address global environmental issues as more regulation and certification will be required, landscape design as a whole will also evolve accordingly. One example will be the extensive use of roof gardens – spaces for both gardening and farming. We will increasingly see building façades, especially in high-rise buildings with more green walls in form of vertical greening. In a dense urban condition the roof gardens along with the green façades will evolve as elevated ecological network integrating landscape, architecture, art and engineering. As new ideas emerge and how we design community spaces evolve, our role as landscape architects will become more important than ever.

So watch the space!

Viraj Chatterjee

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当今世界正经历着快速的城市化进程，而人们对优秀住宅项目的需求也节节攀升。我们都在寻找一种能够远离喧嚣、缓解压力的居住环境。本书作为一个窗口，向读者展示了来自全球各地的优秀居住区景观设计，这些景观设计对塑造高品质居住环境至关重要。本书收录了由国际知名景观事务所设计的居住区景观项目，精美的项目图片将为所有景观专业设计人员、学生和设计爱好者提供一场视觉盛宴。通过展示居住开发项目的独特设计流程，本书让读者对全球的优秀景观设计有一个综合的了解。这本极富启发性的图书分为三个部分：高层住宅景观、多层住宅景观以及别墅景观，每个类别都有独特的景观特色。高层住宅楼越来越多地将垂直绿化设计融入其中，在部分建筑外立面上设置了空中平台或露台花园。融入所有社区设施的开放空间通常都设在平台上，而下方是停车场。相反，多层住宅开发则更趋向于打造一种庭院环境。屋顶花园是另一种社区互动空间，经常以分户花园和城市农场的形式出现。由于别墅开发的建筑结构较低，它的景观设计有种独特的亲密感。私人花园、林荫街道和社区绿地穿插形成精致的纹理和比例，激发了别墅区的独特魅力和空间感。本书将这些风格各异的设计方案汇集起来，引领读者体验让人迸发灵感的全球现代居住区景观之旅。

居住区景观设计在尺度和形式上越来越多样化。随着科技的进步和

工作与生活之间界限的模糊，家对保持我们的身体健康来说变得更加重要。因此，设计师开始在居住区中打造绿洲空间，添加丰富的水池和花园设施。文化和艺术相融合的新型户外体验开始演变，而室内外空间的边界也变得更加模糊。从多种意义来讲，景观设计都十分特殊。景观设计的主要工具是植物，它们会随着时间的流逝而成长变化。植物色彩和纹理的动态循环与硬景观元素相互融合，为景观设计师提供了丰富多变的设计材料。水以其千变万化的形式为景观添加了流畅感、倒影感、宁静感和运动感。夜晚的灯光富有戏剧效果。在文化、环境、可持续因素和项目预算等重要参数的引导下，这些工具让景观设计师得以创造出更独特的丰富体验。

本书所呈现的精美项目展示了景观设计师是如何将这些参数融入他们的项目之中的。例如，Shma 景观设计公司的夏日公寓项目（泰国，曼谷）出色地融合了艺术、建筑和自然。景观设计将海洋环境抽象成若干个独立几何造型，形成了生动的体验。TROP 公司的幸福之家项目（泰国，华欣）实现了文化与环境的抽象化连接。岩石与水的互动为住宅庭院营造出宏大的背景。由贝吉比克 & 林登景观事务所设计的罗尔夫斯湾项目（挪威，奥斯陆）同样巧妙地融入了水景元素，以景观运河的形式将居住区与海湾连接起来。可持续因素在景观设计中扮演了重要的角色。由吉尔斯派斯设计的尼奥河畔项目（英国，伦敦）和由 INSITE 工作室设计的北河 32 号街区项目（美国，丹佛）都在设计中采用了本土植物并促进了本地生物多样性，形成了独特的风格。北河 32 号街区项目将太阳能电池板装置设计成雕塑型元素，充分反映了项目所在的文化区特征。

如何用有限的预算打造出色的社会福利住房项目一直是设计师面临的重大挑战。由艾琳·布克哈特景观建筑与城市规划公司设计的示范性社会福利住房项目（德国，慕尼黑）和由阿克塔·斯利普、曼纽尔·纳尔瓦埃斯·佩雷斯、费尔南多·维斯多·曼萨纳雷斯三人合作设计的 209 古达巴佳克公寓（西班牙，赫雷斯）展示了如何利用简单有效的设计来塑造宜人的居住区景观。另一个居住区景观设计的新形式来自于人口的老龄化。只有富有针对性、创造力并且能聚焦社区的设计才能满足用户的渴望。设计师需要全面考虑安全性、物质性以及可达性，为老年人设计一个完整的居住环境。

为了应对全球环境问题，各国出台了更多与建筑相关的法律法规和资格认证，景观设计也必须随之演变。屋顶花园就是一个典型的例子，它能提供更多的花园和农作空间。我们将会发现越来越多的高层建筑在外墙上运用垂直绿化元素。在密集的城市环境中，屋顶花园和绿色墙壁将演化为空中生态网络，将景观、建筑、艺术和工程整合起来。随着新观念的出现和居住空间设计方式的演变，景观设计师的角色将会变得空前重要。

让我们关注空间，拭目以待。

程奕智

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香港大学景观设计学助理教授

• *Mid-rise
residential block
landscape*

多层居住区景观



SUMMER

夏日公寓

Location: Bangkok, Thailand
Completion: 2013
Design: Shma Company Limited
Photography: Mr. Pirak Anurakyawachon
Area: 9,982 sqm

项目地点：泰国，曼谷
 完成时间：2013年
 设计师：Shma景观设计公司
 摄影：皮拉克·阿努拉克亚瓦秋
 面积：9,982平方米

The project is located at famous seaside town called Hua Hin which is situated about 300 km south of Bangkok. The site is in irregular shape of approximately 9,982 square metres. The main landscape area is surrounded by an L shape building where it leaves the other 2 sides visually connected with the nearby private garden. Since the site is situated far away from the beach and half of the residential units cannot receive sea view, the landscape design strategy is to create landscape that not only functions as an outdoor hideaway space but also reflects "Seascape" atmosphere as the residents would feel closer to the sea.

In other words, the design concept derives from the "sea bubble" which occurs once the wave roll over the shores. The bubbles come in various size and none of them are looking the same. The designers conceptually use the bubble form to generate the overall design. The landscape space is divided into two: swimming pool and garden. The pool is located at the higher level next to the building while garden is next to the wall next to private villas. The large water body of the pool covers 50% of the landscape area and spans across the whole length of building edge, providing a direct pool access of all ground floor units. It also contains various water related activities within this surface from 25 m lap pool, children pool, shallow pool, submerge pool deck with bubble water jet and Jacuzzi, to sunken cabana. With this unique curved shape of pool edge, it provides not only the ultimate setting for each activities but also a better functioning space for garden level which is lowered by 450 mm. The overflowing water at the pool edge creates a tranquil fluid sound ambience for the whole landscape area. At the garden, bubble shape becomes a primary form in generating spaces which composed of stepping stone, planters, lawn, gravel beds and cabanas.

There are 3 cabanas in cylindrical shape range in various heights from 4 to 5 metres which are nicely placed between the pool curvatures and become main focal points from all directions. One of the cabana is the pavilion to provide certain privacy for Jacuzzi zone while the other 2 are daybed and seating area which are only accessible from the garden level. The shape of the cabana and the pattern of the trellis are also inspired from "Sea Wave". A series of 30 mm diameter of linear tubes





Master plan
总平面

- 1. The garden next to the swimming pool
 - 2. The large water body of the pool covers 50% of the landscape area
1. 游泳池旁边的花园
2. 游泳池的水域占据了50%的景观区域

were bended to create curve lines at difference heights. As a result, the subtle rhythm of cabana shells exposes a unique light and shadow play. With its forms and white coloured structure of Trellis, it contrasts with dark green backdrop of the garden behind so it emphasises itself as a sculpture during the day and lanterns at night, with series of up lights that were integrated at each steel tubes.

The colour palette of hard-scape and soft-cape elements here is in neutral and light pastel colour composition. It is to create a calm and serene atmosphere for this hideaway place while giving a wide open feeling to the overall space.

This landscape space is the designer's interpretation of the "Seascape" for the hideaway of modern living.

项目位于泰国曼谷以南 300 公里的著名海滨小镇华欣。项目场地为 9,982 平方米的不规则形状，主要景观区两面由一座 L 形建筑环绕，另两面则与附近的私家花园连接起来。由于项目场地远离海滩并且有一半的住户无法享受海景，设计策略试图让景观不仅起到户外休闲空间的作用，同时还要营造出一种海景氛围，让住户感到更贴近大海。

换言之，设计的灵感来自于海浪打在沙滩上所形成的“海洋泡沫”。

它们造型各异，没有任何两个泡沫是完全相同的。设计师运用泡沫概念完成了整个设计。景观空间一分为二：游泳池和花园。游泳池位于靠近建筑的高处，而花园则紧邻花园别墅的围墙。游泳池的水域占据了 50% 的景观区域，横跨真个建筑边缘的长度，让一楼住户享有直接进入泳池的便利。游泳池还包含各种各样与水相关的活动：25 米标准泳池、儿童泳池、浅水池、带有泡泡喷水口的浸入式泳池平台、极可意按摩浴缸以及下沉小屋。独特的弧形泳池边界让游泳池不仅为每项互动都提供了极致的背景，还为低处的花园区（地势低 450 毫米）营造了更好的功能空间。泳池边缘溢出的水发出涓涓水声，为整个景观区域营造出宁静的氛围。花园主要以泡沫形状进行空间划分，包含垫脚石、花坛、草坪、碎石带、凉亭小屋等空间类型。

景观区有三个圆柱形的凉亭小屋，高度分别在 4~5 米之间，它们巧妙地契合了游泳池的弧度，从各个方向看都是焦点。其中一个凉亭设在按摩浴缸旁，一定程度上保护了隐私，另两个则提供了坐卧两用座椅，仅可从花园进入。小屋的造型和棚架样式同样从“海浪”中获得了启发。直径为 30 毫米的长管被弯成不同高度的曲线造型。小屋外壳微妙的韵律感为内外空间带来了独特的光影效果。独特的造型和白色结构让棚架与深绿色的花园背景形成了对比。白天，它像一座雕塑；夜晚，钢管中的上照灯让它变成了一盏灯笼。

软硬景观元素的色调以黑白和清新的浅色为主，营造出恬静平和的隐居氛围，同时又让整个空间看起来更加开敞。

整个景观空间的设计就是设计师对现代生活隐居空间“海景”的诠释。



