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弗吉尼亚・麦克利奥德

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Detail in Contemporary Landscape Architecture

当代世界景观建筑细部图集

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Detail in Contemporary Landscape Architecture

Virginia McLeod

当代世界 景观建筑细部图集

弗吉尼亚·麦克利奥德

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As a companion volume to *Detail in Contemporary* Residential Architecture, this book seeks to reveal the details of contemporary landscape design. The key to the choice of projects in this volume is in the title-all of the projects presented here, while often falling within traditional landscape categories of parks and gardens, nonetheless have an architectural component that separates them from being predominantly plant-based. It is impossible to deny, even in the most densely urban of contexts, that landscape underscores all of our daily interactions with the built environment. All too often, however, strategies for creating meaningful landscapes in urban environments are at best an afterthought and at worst leave the spaces between and around buildings as blighted, even dangerous places to be. It has become all too clear that landscape architects, planners and even those who commission buildings and landscaped spaces ignore the problems of unchecked urban growth and the potential for landscape as a redeeming urban quality at their peril.

The projects here, by comparison, are examples of how landscaped spaces can, and should, be. Almost all of the designs featured here exist in urban environments-from the densest city contexts, for example Edouard François, Flower Tower in Paris, which utilizes the building itself as a site for the application of a vertical landscape, to PWP Landscape Architecture and Partners Nasher Sculpture Center which responds to the towering skyscrapers which surround it in downtown Dallas. Other projects, while perhaps in more traditional open settings nonetheless utilize elements of architecture to create environments of great impact and usability.

As such, this book focuses on the details that make up the architectural components of all of these disparate projects, including stairs, paving, water features, and of course the way these elements interact with all types of planting. Construction details are as vital a part of landscape architecture as its external form and layout. Whether so subtle as to be invisible, or revealed as extraordinarily complex, details determine the quality and character of a landscape. Good detailing entails exercizing the utmost care and attention at the junctions between materials, between the different elements of a landscaped space, and where a material changes direction. Through details, the myriad parts that make up a landscape come together to form a whole-joints, connections, seams, openings and surfaces are transformed via a combination of technology and invention into a meaningful landscape.

We are accustomed to being presented with photographic representations of landscape architecture in books, magazines and online, with the inspiring image continuing to be the focus of the two-dimensional representation of landscape. Increasingly these images are now often accompanied by site plans to provide a better understanding of the way a landscape works. The availability of site plans is, of course, of enormous assistance in helping us to understand the spatial sequences, the extent and scale of a space, however it is not inherent in the purpose of a plan or a photograph, even if accompanied by a section, to reveal the individual elements that go together to make up a section of paving, an arbour, a pool, a planting bed and so on. Construction details, however, do just this, and this book unites the photograph, the site plan and section, as well as the details to bring to the reader a comprehensive insight into the true workings of the landscape.

Landscape architects draw details specifically to reveal the inner workings of a landscape-primarily, of course, they are used by the builder in order to put the elements together. Readers of architectural publications, however, are all too rarely given the opportunity to examine the details-the 'real' representation of how a landscape is put together. This book aims to remedy that situation and provides a guide to the inner

workings of 40 of the most inspiring examples of contemporary landscape architecture. This book brings to the reader what has previously remained invisible. These details reveal not only an 'x-ray' of the landscape presented, but an insight into the cognitive processes of the architects and artists who brought the landscapes into being.

Details make up to 95 per cent of the sometimes hundreds of drawings produced to describe the way a landscape is put together. They act as the means by which landscape architects communicate their intent to builders, engineers and other participants in the building process. They also act as one of the most challenging intellectual and technical exercises for any landscape architect, producing, as they must, a series of what are essentially graphic representations of every single junction and connection in the built space. Because these details are made up almost exclusively of two-dimensional representations (plan and sectional drawings), the challenge resides in the architect's ability to imagine the most complex of junctions, assemblies and components in three dimensions-as they will actually be built on site-and translate them onto paper or on screen into two dimensions, into the conventional drawn representations that have been used in the construction industry for decades, even centuries.

While the selection of details presented for each of the landscapes in this book is necessarily limited by space, they nonetheless go a long way towards deconstructing the image of the finished landscape. As a result, they not only inspire, they also help us to understand the thought that went into the making of the building, and perhaps the technical problems that were solved along the way. Details also reveal the preoccupations and specialties of an individual landscape architect. Each of the landscape architects in this book were asked to provide their personal selection of the details that they felt best represented the garden or park in question. As a result, a focus on the way paving is put together with the trees that are planted within it may be revealed in some projects, while the sculptural qualities of a balustrade or a water feature may come into focus through the details in others.

In many cases, details also reveal cultural differences as well as commonalities. The scope of this book covers four continents-Europe, North America, Asia and Australia. Many of the landscapes appear to have aesthetic qualities in common, perhaps revealing similarities in the way landscape architecture is taught at universities around the world, as well as the contemporary cultural influences that cross geographical boundaries. However, many differences are revealed in the details. The climate or economics in one country or region may make concrete inappropriate or too expensive. Timber or stone may, instead, be the most available, affordable material.

Similarly, culture is inextricably linked to place, and therefore unites landscape and architecture. For example, Mosbach Paysagistes' elegant landscape for the Bordeaux Botanical Gardens in France embraces the challenge to illustrate thousands of years of both natural and man-made landscapes in the River Garonne area. The vibrant and exuberant landscape created by Room 4.1.3. by contrast, bravely tackles the complicated and often emotional subject of Australia's past, embracing the prickly issue of the history of native Australians. In a similar vein, Turenscape have created a place for contemplating China's Cultural Revolution, bravely acknowledging one of the most troubling periods in that country s recent past through a landscape that is available to all.

A continuing preoccupation of landscape design is the regeneration of industrial sites, typically created in the nineteenth century as, for example, shipyards or power stations that ended their lives in the wake of improving or changing technologies in the late twentieth century. Often located in inner-city locations, the transformation of these vast sites into meaningful public spaces has, more often than not, had an enormous impact on the economic and social well-being of the city in question. This is a global phenomenon that is reflected in several projects presented here, including the Tide Point Urban Waterfront in Baltimore, Maryland, USA, by W Architecture-the transformation of a soap production plant into a popular harbour-side recreation facility. Similarly, Camlin Lonsdale has successfully regenerated Belfast's Donegal Quay to reflect both its aspiration as a vibrant global city, as well as its history as a city of trade. The Eden Project in Cornwall, England, takes the most unpromising of sites-a defunct clay pit-and transforms it into one of the most celebrated landscapes of recent years.

The design of relevant, meaningful landscapes, such as those illustrated in this volume, involves the integration of ecological, technological and cultural forces through sensitive responses to place and people, and requires the concerted efforts of informed, sensitive designers. The projects collected here offer many interpretations and possibilities for the relationship between architecture and landscape. What they have in common is that this relationship has been considered at every stage in the design process, at every negotiation in the procurement process, and show that culture and place can be incorporated with understanding and intelligence. This collection is based on the fact that the architecture-landscape symbiosis is at the centre of inspired design.

Virginia McLeod

Notes

Imperial and Metric Measurements

Dimensions have been provided by the architects in metric and converted to imperial, except in case of projects in the USA in which imperial dimensions have been converted to metric.

Terminology

An attempt has been made to standardize terminology to aid understanding across readerships, for example 'wood' is generally referred to as 'timber' and 'aluminum' as 'aluminium'. However materials or processes that are peculiar to a country, region or architectural practice that have no direct correspondence are presented in the original.

Floor Plans

Throughout the book, the following convention of hierarchy has been used-ground floor, first floor, second floor, and so on. In certain contexts, terms such as basement level or upper level have been used for clarity.

Scale

All floor plans, sections and elevations are presented at conventional architectural metric scales, typically 1:50, 1:100 or 1:200 as appropriate. An accurate graphic scale is included on the second page near the floor plans of every project to aid in the understanding of scale. Details are also presented at conventional architectural scales, typically 1:1, 1:5 and 1:10.

这本书里所研究的项目,明确指出了景观建筑空间能用来做什么,或者说,应该成为什么样子。这里提到的所有设计几乎都在于城市环境中,以最密集的城市为背景。比如巴黎的爱德华·弗朗西斯景观设计事务所设计的花塔,利用建筑本身作为垂直景观;还有彼得·沃克及伙伴景观设计事务所设计的纳什雕塑中心公园,与达拉斯中心高耸的,与大楼相呼应。其他的项目也是在更为传统的开放式空间里,利用建筑元素给周围环境的开放式空间里,利用建筑元素给周围环境带来巨大的视觉冲击和良好的使用价值。

景观建筑师通过绘制细部图来明确地展示景观的内部构造。当然,细部图会指引建筑师把不同的元素有序的组合在一起。然而建筑类出版物的读者很少会有机会来研读细节,即景观建筑真实构造的从内到外的展示。这本书就是要改善这种状况,为读者提供可参考的实用指南。书中包含40个最具代表性的当代景观建筑实例的内部构造细部

图,带领读者了解之前被忽略的部分。这些细部不仅仅是景观的"X光片",也是深入了解这些景观的建筑师和设计师思想和方法的工具。

由于篇幅的关系,本书对于每个景观建筑细部图的选择很严格。这些细部图必须结密地解构已建成的景观建筑。它们不仅能给我们带来启发,或是解决在建造过程中遇遇,或是解决在建造过程中遇遇的技术难题。如果实现,都亲自选择了他们认为能量对现度,都亲自选择了他们认为能量,不是实现,都亲自选择了他们认为能量,不是实现的知识。因此,有一些则会聚焦在栏杆雕刻的特色或是水景特征上。

在许多情形下,细部图也体现了文化的差异与共同点。本书所选项目的地域范围包括了四大洲:欧洲、北美洲、亚洲和大洋洲。它们中的许多景观建筑具有共同的美学特质,这或表现为全球各国大学讲述的景观建筑的相似性,或表现为当代国际间的文化交流和影响。同时,这些细部图也展示了许多的文化差异以及不同区域的气候和经济发展状况。

不可避免的,文化与地域的联系也同样体现在景观与建筑上。例如莫斯巴赫风景也以非事务所设计的法国波尔多植物花园,中,工资工程的景观设计和人室重现几千年自然和发河地区重现几千年自然和发河地区重现几千年自然和发现的新颖而充满活力景观建筑,勇敢地包围,是人设计事务所设计了插样思的,生人设计事务所设计了一个场所来上,通过建筑,向时上入设计事务所设计了重新,一个场际来上,通过建筑,向时间,一个场景,通过建筑,向时间,一个大革命",通过建筑,向时间,一个场景,是是一个大革命",通过建筑,向时间,是一个大革命",通过建筑,向时间,是一个大革命",通过建筑,向时间,是一个大革命",通过建筑,向时间,是一个大革命",通过建筑,向时间,是一个大革命",通过建筑,向时间,是一个大革命",通过建筑,向时间,是一个大军。

一直备受人们关注的景观设计是对废弃 工业场地的改造。典型的是那些在19世纪建 造的,在20世纪末由于产业提升或科技改 造而被废弃的工业场所,例如造船厂或发电 所。这些庞大的废弃工厂区域多数位于城市 里,要将它们转变成富有内涵的公共空间, 对所在城市的经济发展或社会福利的促进会 有很大的效应。这是一个全球性的现象,在

这些在本书中加以详细研究的优秀的、富有内涵的景观设计,融合了生态、科技和文化的元素,对空间与人的关系加以敏锐把握,并由经验丰富的设计师来担纲设计。对于国际有项目,都对建筑与景观之间的者的关系,有解述,并结合文化和时理位置为的共和演绎,并结合文化和地理位置的共和演绎,有解述,并结合文化和地理位置的共和演绎,有解述,并结合文化和地理位置的共和演绎,有解述,并结合文化和时期的共和,并结合文化和对对的研究表达可以共同的研究表达项目的研究表达项目的研究表达项目的对对的研究表达可以共同特征。建筑与景观的巧妙结合是设计与创意的中心。

弗吉尼亚 • 麦克利奥德

说明

英制和公制度量单位

建筑师以公制度量单位标明尺寸,并将其转化为英制单位。在美国的一些项目中,英制单位已转化为公制度量单位。

术语

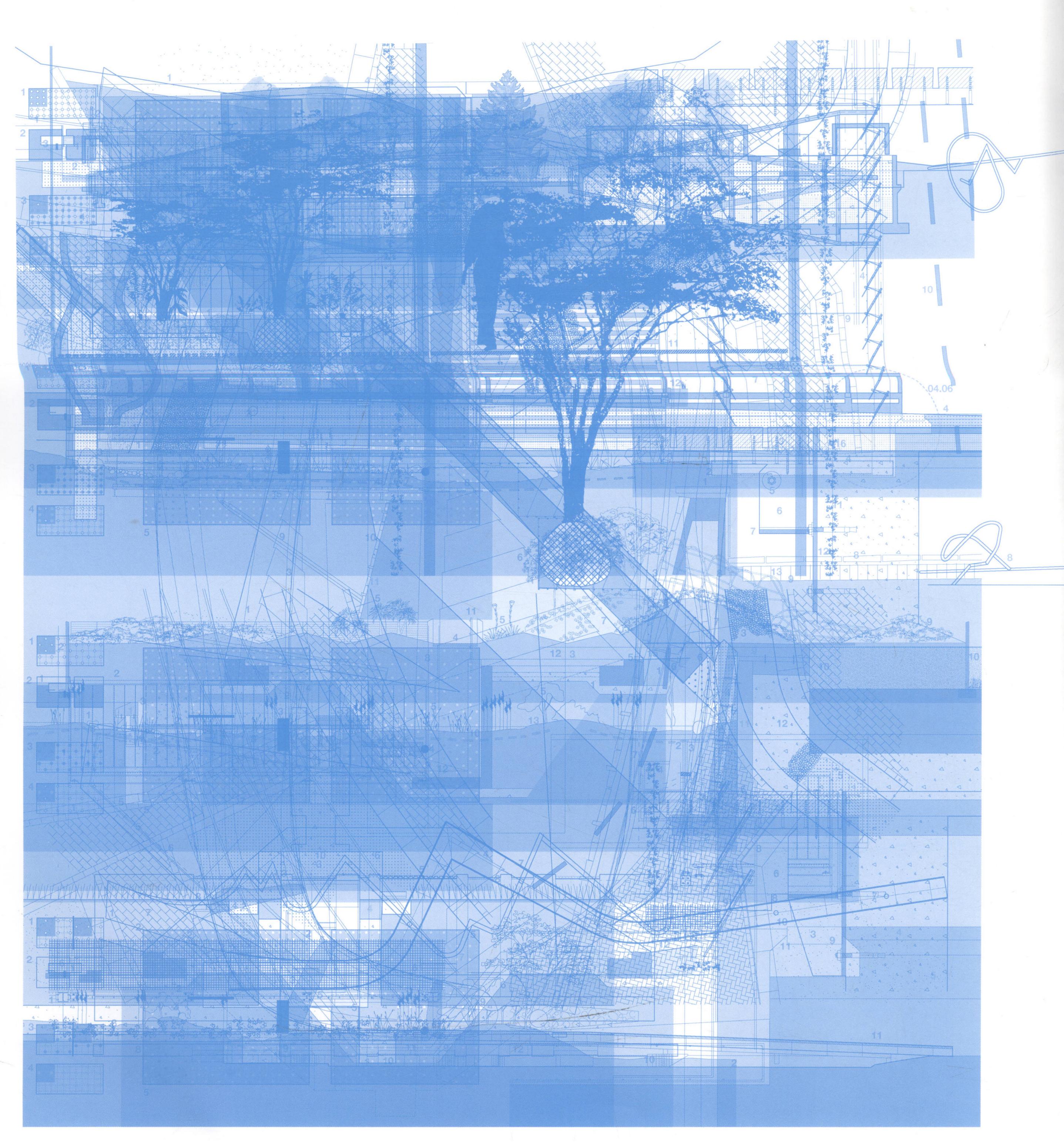
本书试图统一术语,以方便读者的理解,例如"wood"(木头)被通指为"timber"(木材),"aluminum"和"aluminium"在这里都指"铝材"。然而某个国家和地区特有的材料、流程或建筑工程,没有通用语,就没有加以更改,而是保留原样。

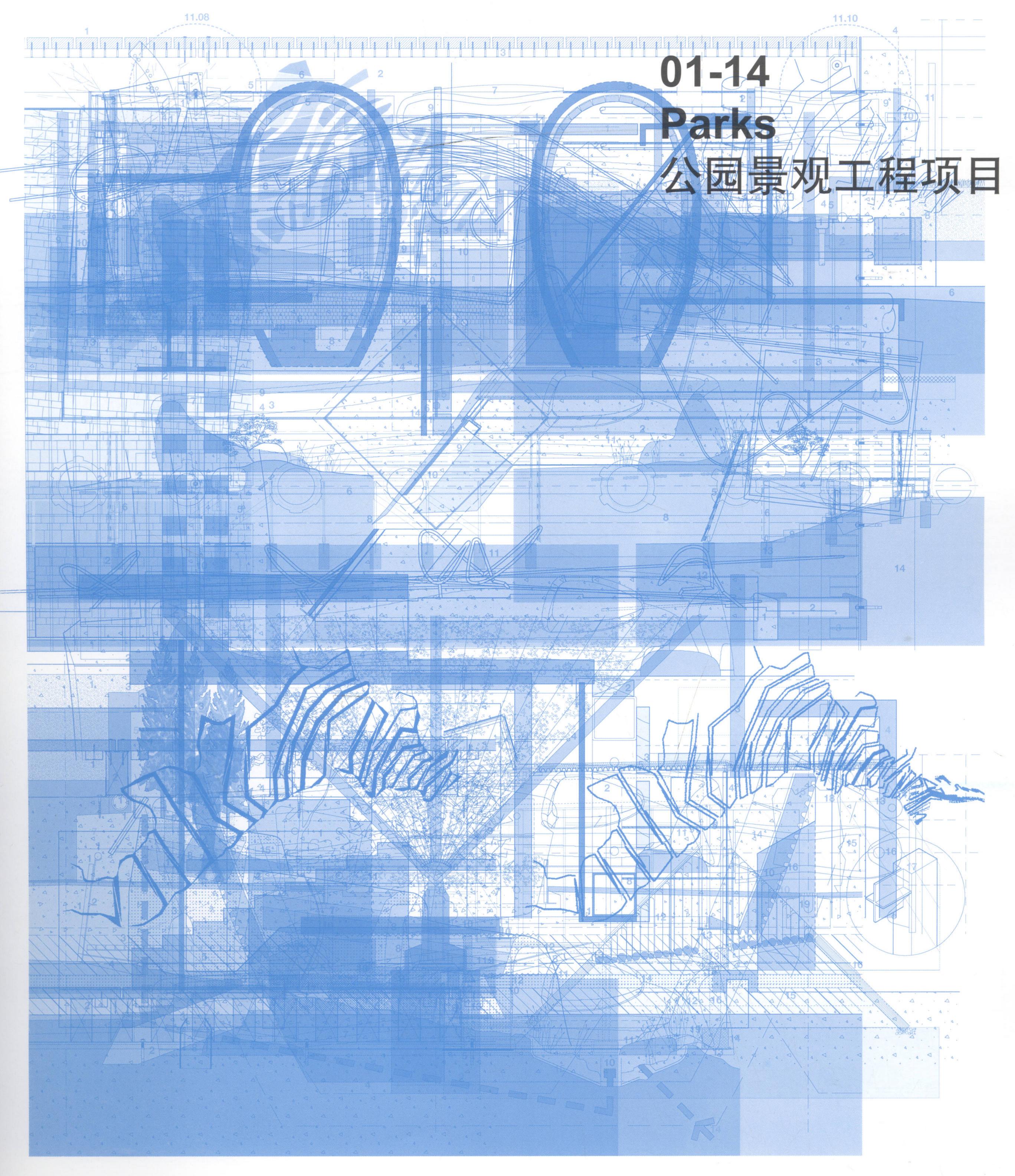
平面图

贯穿全书,应用以下的表达:一层,二层,三层等。在某种情况下,为了表达清楚,使用像"地下一层"或"地上一层"等术语。

比例

所有的平面图、剖面图及立面图都采用了通用的建筑公制尺度,1:50,1:100,1:200等。为帮助理解比例概念,每个项目的靠近平面图的第二页都有一个准确的图示比例尺。每个细部图也都提供建筑传统比例,比如1:1,1:5,1:10。





Mount Penang Gardens Mount Penang, New South Wales, Australia

Client

NSW State Government Festival Development Corporation

Area

6 hectares (14.8 acres)

Project Team

Anton James, Geoffrey Britton, Matt O'Connor, David Duncan, Diana Pringle, Romilly Davis, Jenny Clarsen

Structural Engineer
Structural Mechanics and Dynamics

The Mount Penang Gardens are located on a cleared swamp with numerous natural springs. In response, the garden is comprised of a raised plateau bordered by a series of cascading ponds to avoid the waterlogged soils. Two deeply incised lobes provide a series of intimate spaces for over 1,000 plant species, including numerous rare and endangered plants. Carved into the sides of the plateau are five Fissure Gardens for specialized horticultural displays. A blue steel bridge spans over the ponds, from the entrance to the plateau, while cantilevered concrete and steel stairs take visitors into the gabion-lined Fissure Gardens.

Several sculptural elements are used as formal counterpoints to the plantings. Two steel 'clouds' are planted with vines to form large shade-giving forms. One sits above an undulating lawn from which a fine water mist rises-the Cloud Garden. The second provides shade to the Puddle Fountain-a folded inclined plane from which water jets emerge and where depressions set with coloured glass beads collect water to form puddles. The Puddle Fountain is fed by three ponds which step down the slope from the Bottle Tree Garden, which features the uniquely bottom heavy forms of the Brachychiton rupestris. The Dragon Garden, on the southern lobe, is planted with a rich variety of succulents and cacti set in an assortment of concrete water pipes. Water is an everpresent element in the garden, spilling through water stairs, brass sills, splash ledges and water chutes to animate each cascade as it flows to the lower dam.

安东・詹姆斯设计事务所

槟城山花园 澳大利亚 新南威尔士州 槟城山

委托方 新南威尔士州政府节日发展公司

占地面积 6公顷(14.8英亩)

项目小组

安东·詹姆斯,杰弗里·布立顿,马特·欧考那,戴维德·邓肯,戴安娜·普林格勒,罗米利·戴维斯,杰尼·克拉森

结构工程师 结构力学及动力学设计公司

槟城山花园位于涌动着许多天然泉水的沼泽地上。整个花园呈高原地势。因土壤泥泞,花园边缘有许多小巧的瀑布水塘。两条坑道深深贯穿于整个花园,为1000多种植物提供了自由生长的空间,其中包括许多种稀有和濒危的植物。高原边缘处的五个裂缝花园专门用于园艺展览。一条蓝色钢制的桥梁越过池塘,从入口处一直延伸至高原。悬臂式水泥制和钢制的楼梯则将游客带到如篾筐织纹一般交错的坑道花园。

一些线条硬朗的石刻与这些柔美的植物形成了强烈的对比。两片用于蔽荫的"云"钢(云状钢结构),一片位于起伏不平、水雾笼罩的草坪上空,因此被命名为"云花园";另一片则漂浮于泥潭喷泉上空,这个喷泉是一架倾斜的折叠式飞机,从机身喷射出的水源而下,流入下面的洼地,形成小泥潭。泥潭中。泥潭喷泉的玻璃珠,熠熠发光。从酒瓶树花园中,这充分利用了酒瓶树根部吸水性强的特点。南侧的龙园则种有许多种肉质植物和仙人掌,它们被不调的龙园则种有许多种肉质植物和仙人掌,它们被不调的龙园则种有许多种肉质植物和仙人掌,它们被不可或缺,这里也不例外。花园中的细流淌过水梯和黄山、流过溅水岩架和水槽,一直汇入下面的堤坝,使每一个小瀑布都显得生机勃勃。





1 View across the lowest cascade pond and splash ledges towards the raised Plateau Garden. The blue bridge leads visitors from the entrance to the left, to the gardens on the right.

2 The Stepped Pond, flanked on the left by the Bottle Tree Garden. The stepped water

body leads from the highest point of the garden to the Puddle Fountain.

3 The Steel Cloud leads the viewer from the Blue Bridge toward the Mist Garden beyond 4 Entrance to the Pandanus Fissure, where the precast concrete walls that wrap the

Plateau Garden are seen in the foreground.

5 A steel and concrete stair takes visitors up and onto the Plateau Garden, past plants displayed on gabions and custom built stainless steel and coconut fibre logs.

1 从最下面的小瀑布池塘和溅水岩架眺望高原花园,可见一座蓝桥将游客从入口引至左面和右面的花园。

2 阶梯池塘位于酒瓶树花园的左侧。池塘中贮水来源于花园的最高点,最终流淌至泥潭喷泉。

3 "云"状钢结构。它吸引着观光者顺着蓝桥到达薄雾花园。

4 通往露兜坑道的入口。 可以远望到高原花园的预 制混凝土围墙。 5 中钢铁和混凝土铸成通

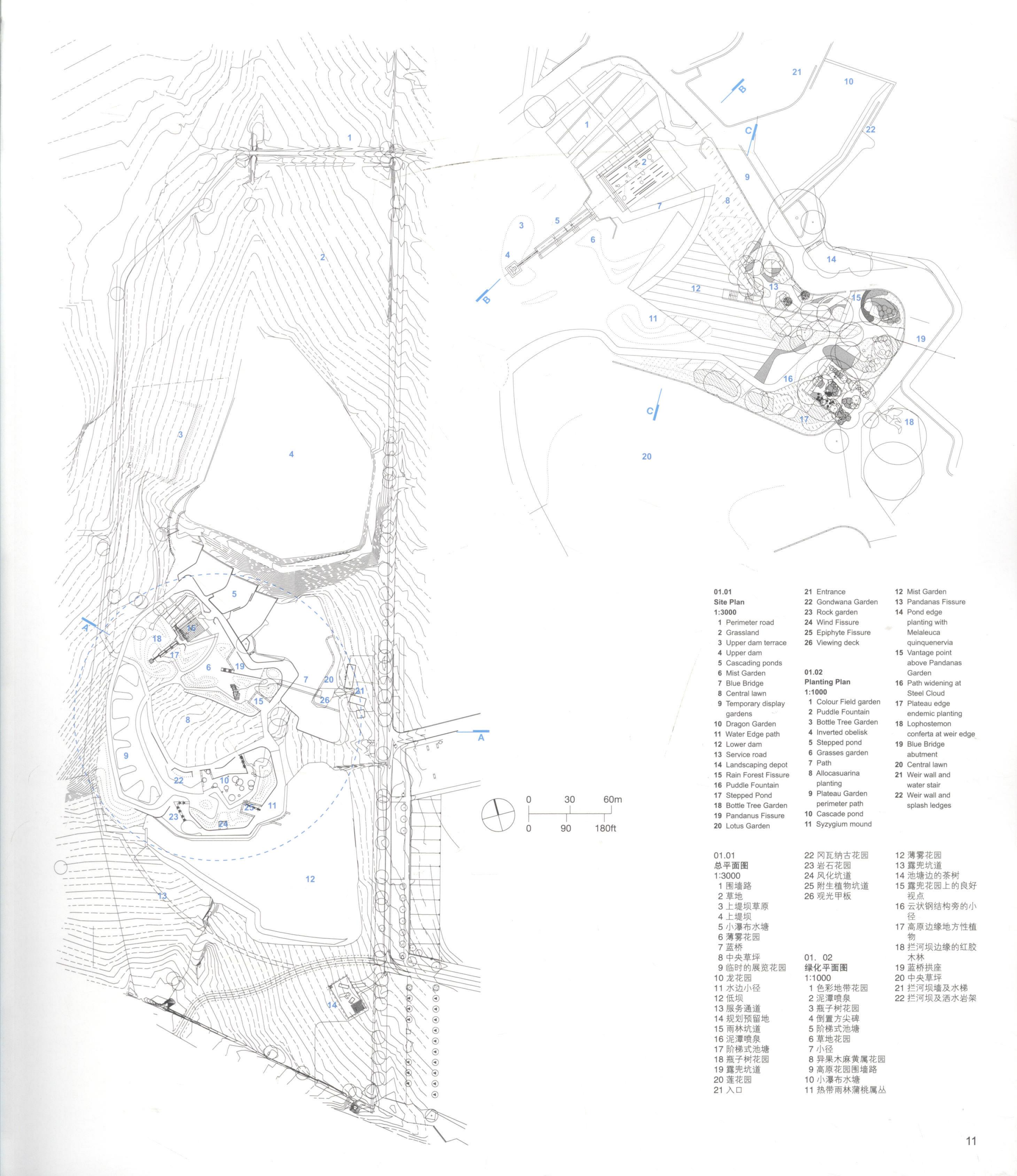
5 由钢铁和混凝土铸成通往高原花园的阶梯。茂盛而古老的植物陈列在由不

锈钢和可可纤维原木制成的石笼中。

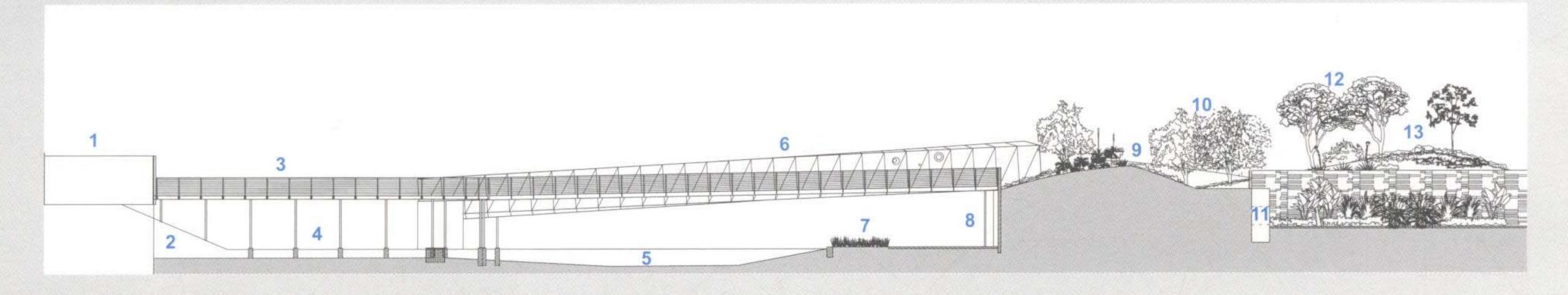








澳大利亚 新南威尔士州 槟城山



01.03 Bridge Section A-A

1:500

1 Entry kiosk

2 Bamboo planted slope

3 Viewing deck

4 Lotus Garden 5 Cascading pond (lowest pond)

6 Blue Bridge box beam 7 Poa planting

8 Precast concrete wall

9 Garden path

10 Banksia robur 11 Pandanas Fissure gabion wall

12 Cupaniopsis anacardioides 13 Ground cover planting

01.03 桥梁剖面图 A-A

1:500 1入口电话亭

2 种着竹子的斜坡 3 观光甲板

4 莲花园 5 小瀑布水塘(最低的池

6 蓝桥箱形梁

7 禾本科植物

8 预制混凝土墙

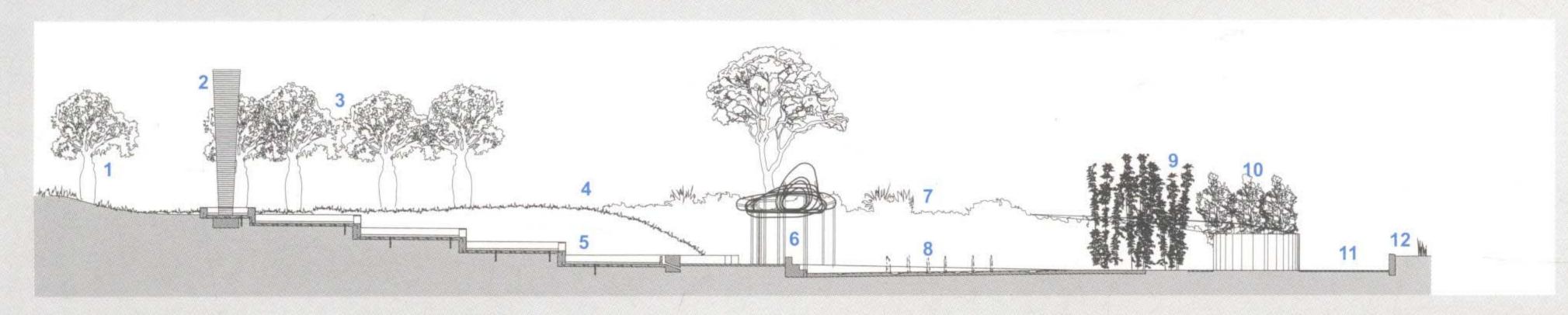
9 花园小径

10 拔克西木属栎树 11 露兜坑道

12 一种国外产属无患子科

植物

13 覆盖地表的植被



01.04 Puddle Fountain Section B-B

1:500

1 Brachychiton discolor

2 Inverted concrete obelisk

3 Bottle Tree Garden planted

with Brachychiton Rupestris

4 Liriope planting 5 Stepped pond

6 Steel Cloud 2 7 Colour Field garden 8 Puddle Fountain

9 Bambusa lako

10 Eucalyptus haemastoma 11 Plateau perimeter path

12 Cascading pond

01.04 泥潭喷泉

剖面图B-B 1:500

1 异色瓶木 2 倒置水泥方尖碑 3 种有酒瓶树的瓶子树花园 4 麦冬种植

5 阶梯式池塘

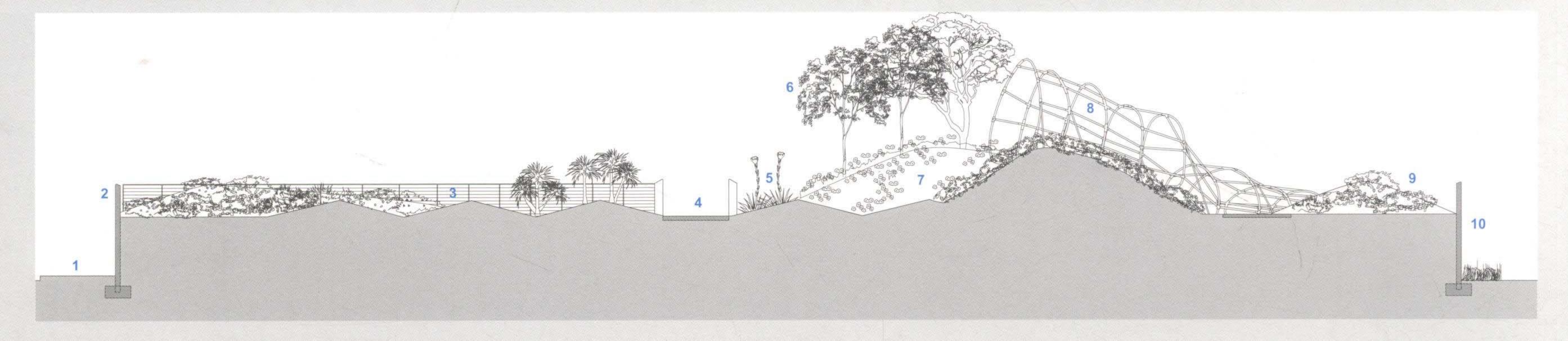
6钢铁乌云2

7 色彩地带花园 8 泥潭喷泉

9 竹林

10 桉树 11 高原围墙小径

12 小瀑布水塘



01.05 Mist Fountain Section C-C 1:200

1 Plateau Garden perimeter path 2 Precast concrete wall

3 Earth undulations and mist fountain 7 Mixed native groundcover

4 Stair and Pandanas Fissure 5 Gymea Lily

6 Carrotwood

(Doryanthes excelsa)

(Cupaniopsis anacardioides)

and perenials 8 Steel Cloud 1

9 Plateau Garden edge with endemic planting

central lawn

10 Precast concrete wall and

薄雾花园剖面图

1高原花园围墙小径 2 预制混凝土墙

C-C

1:200

01.05

5 格米亚百合 6一种国外产属无患子科 植物

7 混合地被层和唐菖蒲

3 起伏地面和薄雾花园

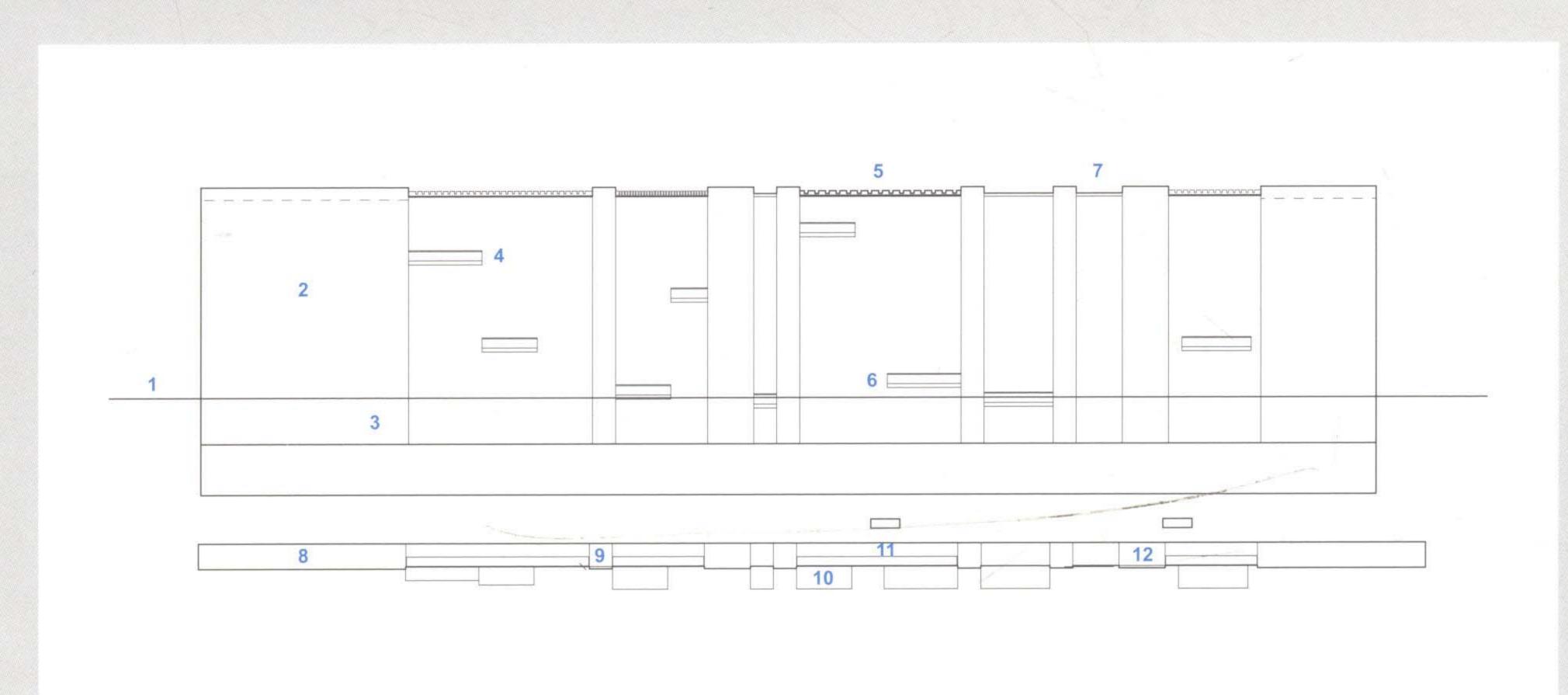
4 阶梯和露兜坑道

10 预制混凝土墙和中央草坪

园边缘

8 钢铁乌云1

9 种着地方性植物的高原花



01.06

Detail

Cascade Elevation and Plan

1:100

1 Water level

2 Off-form concrete weir wall

3 Concrete footing 4 Concrete splash edge

5 Spitter with brass plate to

shape flow

6 Splash ledge

7 Brass rill 8 Weir wall

9 Weir wall

10 Splash ledge

11 Spitter with brass plate to

shape flow

12 Spitter with brass plate to shape flow

01.06 小瀑布立面图和平面图细节

1:100 1水位

2 无形态混凝土拦河坝墙

3 混凝土基础

4 混凝土跌水平台 5 黄铜板制流程装置

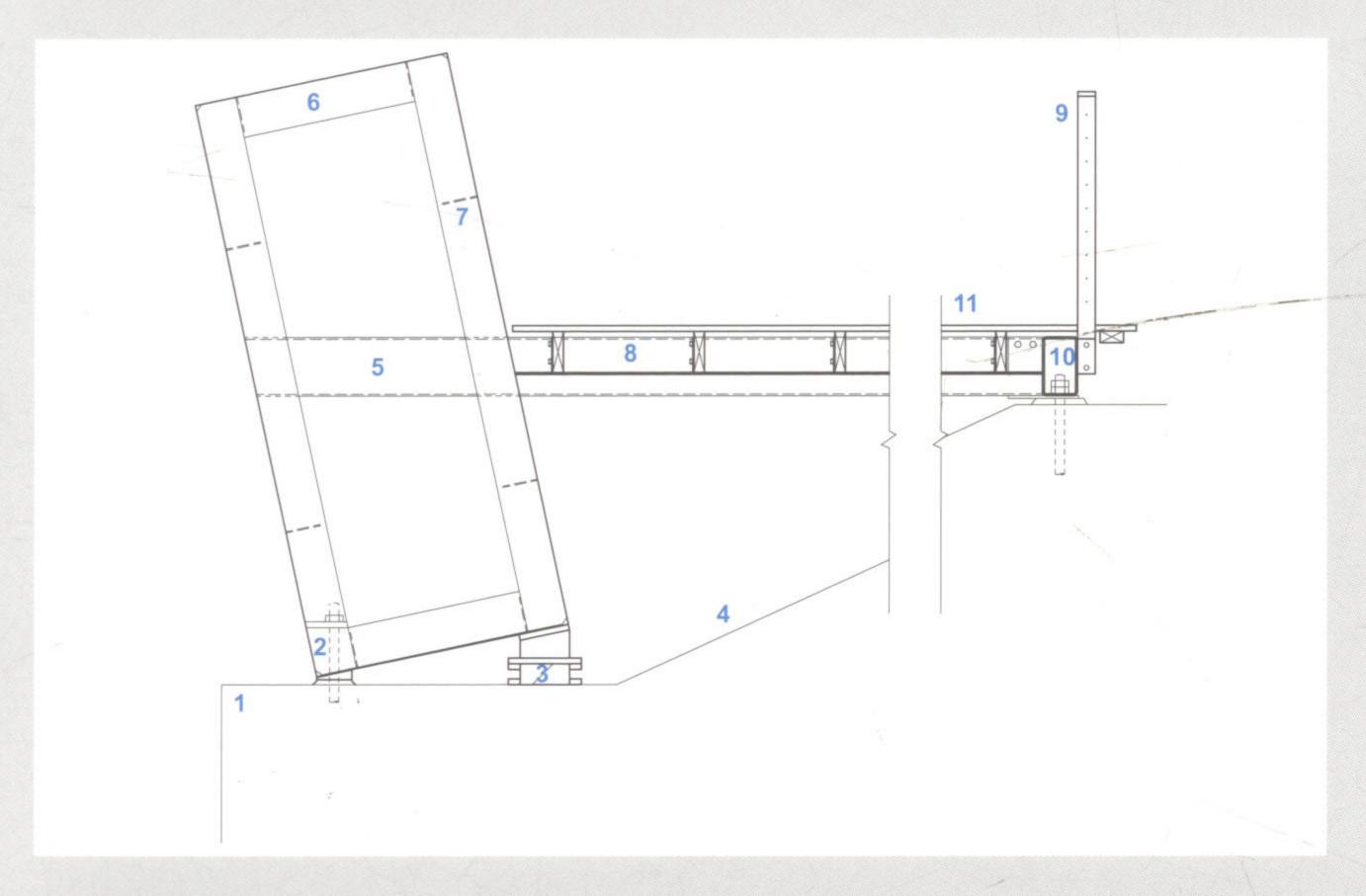
6 跌水平台

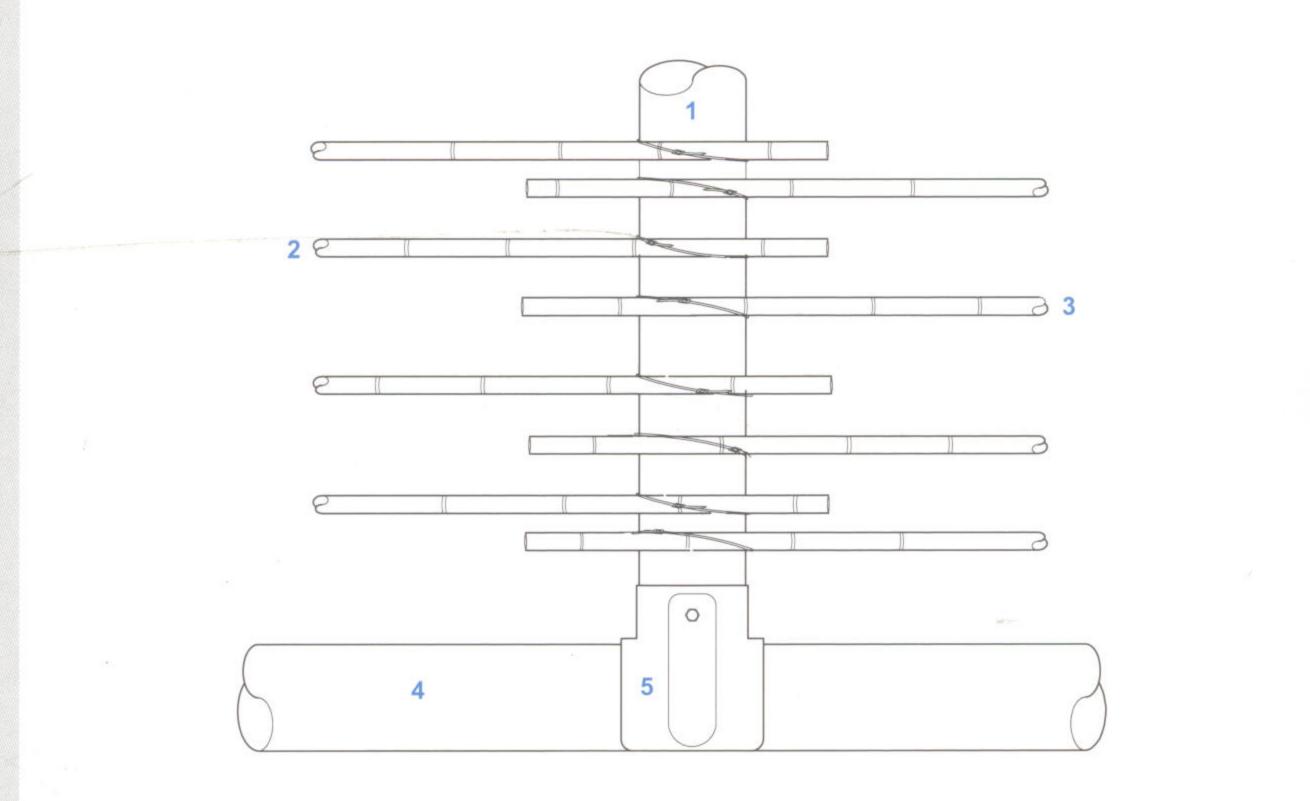
7 黄铜小溪 8 拦河坝墙

9 拦河坝墙 10 跌水平台

11 黄铜板制流程装置

12 黄铜板制流程装置





01.07 **Bridge Section**

1 Concrete abutment

2 Hold-down bolt 3 Fastening bracket

4 Ground level

5 Rectangular hollow section steel beam

6 Blue twisted beam

7 Internal diaphragm

8 Steel joists

9 Galvanized steel ballustrade with tensioned stainless steel horizontal cables

10 Hold-down bolt

11 Timber decking

4 地平面 5 矩形洼地立面图钢梁

1 混凝土桥台

2 固定螺栓

3 牢固托架

01.07

1:50

桥的立面图

6 蓝色转动梁

7内膜

8 钢铁托梁 9 电镀钢铁 外侧有拉紧不

锈的水平电缆

10 固定螺栓 11 原木层面

01.08 **Cloud Detail**

1:10

1 90 mm (31/2 inch)

galvanized tubing 2 Bamboo canes

3 Bamboo canes 4 Cable ties

5 Fixed angle pipe connector

01.08

云细节 1:10

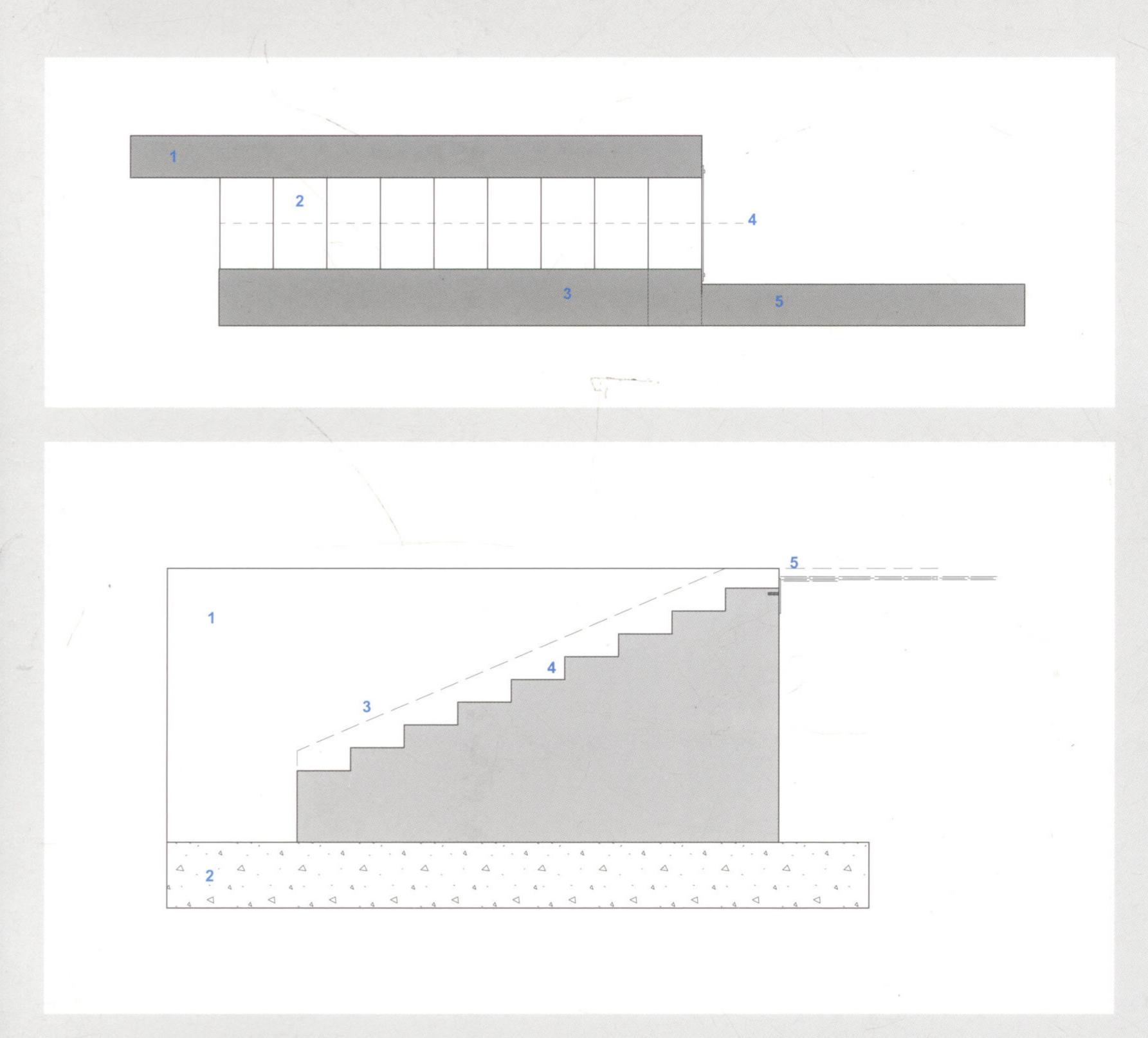
190毫米 (31/2英寸) 电

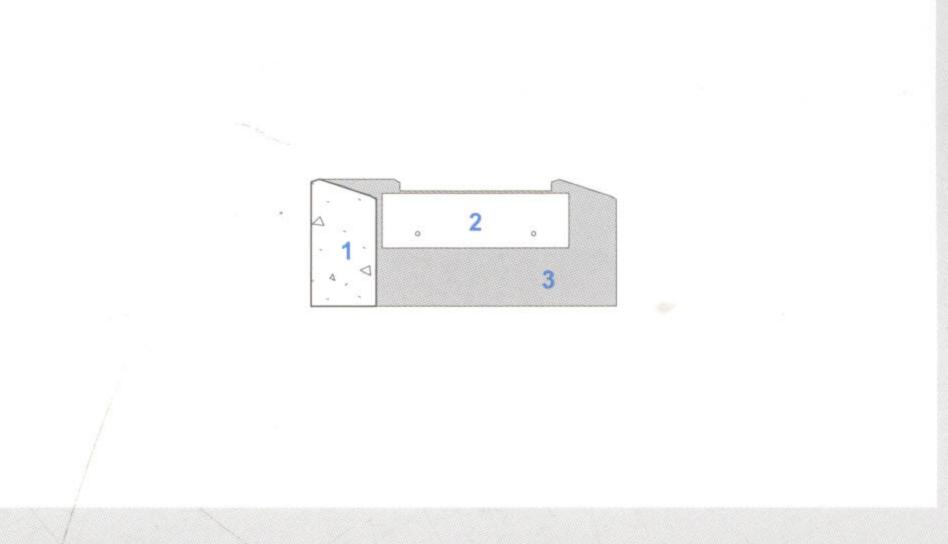
2 竹茎

3 竹茎

4 光缆线

5 固定角度的管子连接物





01.09 01.10 Water Stair Detail Plan Water Stair Detail Long Section 1:50 1:50

1 Concrete weir wall

2 Water stair

3 Sloped weir wall

4 Brass plate to control

water flow 5 Concrete weir wall

01.09 水梯细节平面图

1: 50

1 混凝土拦河坝墙 2 水梯

3 倾斜水梯

4 控制水流动的黄铜薄板 5 混凝土拦河坝墙

1 混凝土拦河坝墙 2 混凝土基础

水梯细节纵立面图

3 前部倾斜拦河坝墙 4 控制水流动的黄铜薄板

1 Concrete weir wall

2 Concrete footing

3 Sloped weir wall

4 Brass plate to control

in foreground

water flow

5 Water level

5 水位

01.10

1: 50

01.11

Water Stair Detail Cross Section

1:50 1 Concrete weir wall

2 Brass plate to control water

flow

3 Concrete weir wall

01.11 水梯细节横剖面图

1: 50

1 混凝土拦河坝墙

2 控制水流动的黄铜薄板

3 混凝土拦河坝墙

AP Atelier, Josef Pleskot

Pathway Through the Deer Moat Prague, Czech Republic

Client

Prague Castle Administration / Dagmar and Václav Havel VISION 97 Foundation

Area

160 square metres (1,720 square feet)

Project Team

Josef Pleskot, Jana Kantorová, Jitka Svobodová, Jiří Trčka, Zdeněk Rudolf, Isabela Grosseová

Structural Engineer Metroprojekt Praha / Křístek, Trčka a spol

Landscape Architect Eva Vízková

Commissioned at the instigation of Czech President Václav Havel, this underground tunnel provides a route from the Vlatava River to the grounds of Prague Castle, forming a connection between two sections of the existing Deer Moat. The project facilitates pedestrian movement along the entire length of this unique natural monument and makes the castle accessible via a new system of walkways. The tunnel follows the line of an existing stream located below the bastion walls used to protect the original Renaissance Powder Bridge. The massive open-cut concrete portal entrances to the tunnel facilitate water run-off to the stream, which continues beneath the new tunnel.

Once beyond the portals, the orthogonal geometry is abandoned in favour of a striking brick vault. The 84-metre (275-foot) long cambered vault was designed to necessarily narrow dimensions, however the impression of spaciousness is enhanced by recessed floor lighting and glimpses of the stream below through metal grilles. The tunnel is clad in self-supporting, hard-burnt, fair-faced

dark-red brick which, when lit, gives the space a warm glow. The paving to the floor of the tunnel is made from prefabricated concrete elements with a textured, non-slip surface treatment. Elsewhere, grilles designed to reveal the presence of the stream are made from steel rods with slip-resistant lugs. A Renaissance column rescued during excavations for the tunnel is dramatically displayed in a niche in the arched tunnel.

AP 阿泰烈,乔赛夫·普莱斯考特景观设计事务所

穿越护城堤的小路 捷克斯洛伐克共和国 布拉格城堡

委托方 布拉格城堡管理部门 达玛和瓦茨拉夫·哈维尔希望97基金会

占地面积 160平方米(1,720平方英尺)

项目小组 乔赛夫·普莱斯考特,加纳·坎特拉瓦, 基卡·斯沃鲍德瓦,基里·捷克, 赞内科·鲁道夫,伊萨贝拉·格罗塞瓦

结构工程师 麦卓普拉杰科特·普拉哈/克里斯特克, 卓科卡·阿·思波尔

风景建筑师 埃娃•维兹克瓦

在捷克斯洛伐克总统瓦茨拉夫·哈维尔德的委任下建造的地下隧道,将现存的护城堤的两个部分连接起来。这条地下通道从渥拉塔娅河通至布拉格城堡,人们可以沿着这个独特的自然建筑步行到达城堡。这个隧道位于堡垒墙的下面,沿小河而建。堡垒墙是为了保护文艺复兴时期的宝德桥而建造的。通道上的积水可以流入隧道下面的小河。

隧道门口的设计,摒弃了正交几何原理的应用,而采用了非常惹人注目的砖制拱顶。这有效的缩小了84米(275英尺)长拱形设计的体积。而凹形的地面灯光和透过金属格板看到的小河使视觉变得更为宽阔。这个隧道自我支撑,不易烧毁。灯光照亮深红色的砖块时,会发出温暖的金色光芒。通往隧道的甬路是由混凝土铺设而成,表层进行了防滑处理。小河上方的格板则由防滑钢杆构架。文艺复兴时期的建筑陈列在隧道旁的黄金位置,使得整个设计更富有戏剧性。



1 The sophistication of the brick vault construction makes a striking contrast with the historic walls and ramparts of the

2 The project is located in the grounds of one of Prague's most iconic historic monuments-Prague Castle (right). Two

sections of the existing Deer
Moat are linked to create a new
pedestrian access route to and
from the Castle.

3 View of one of the cast in-situ concrete portals that announce the entrances to the tunnel.4 The floor of the tunnel incorporates steel grilles

that reveal the presence of the stream below. Here, the concrete portals give way to the dark red brick vaulted arch of the tunnel. 1 复杂的砖制拱形设计与历史城墙和城堡的壁垒形成了鲜明的对比。

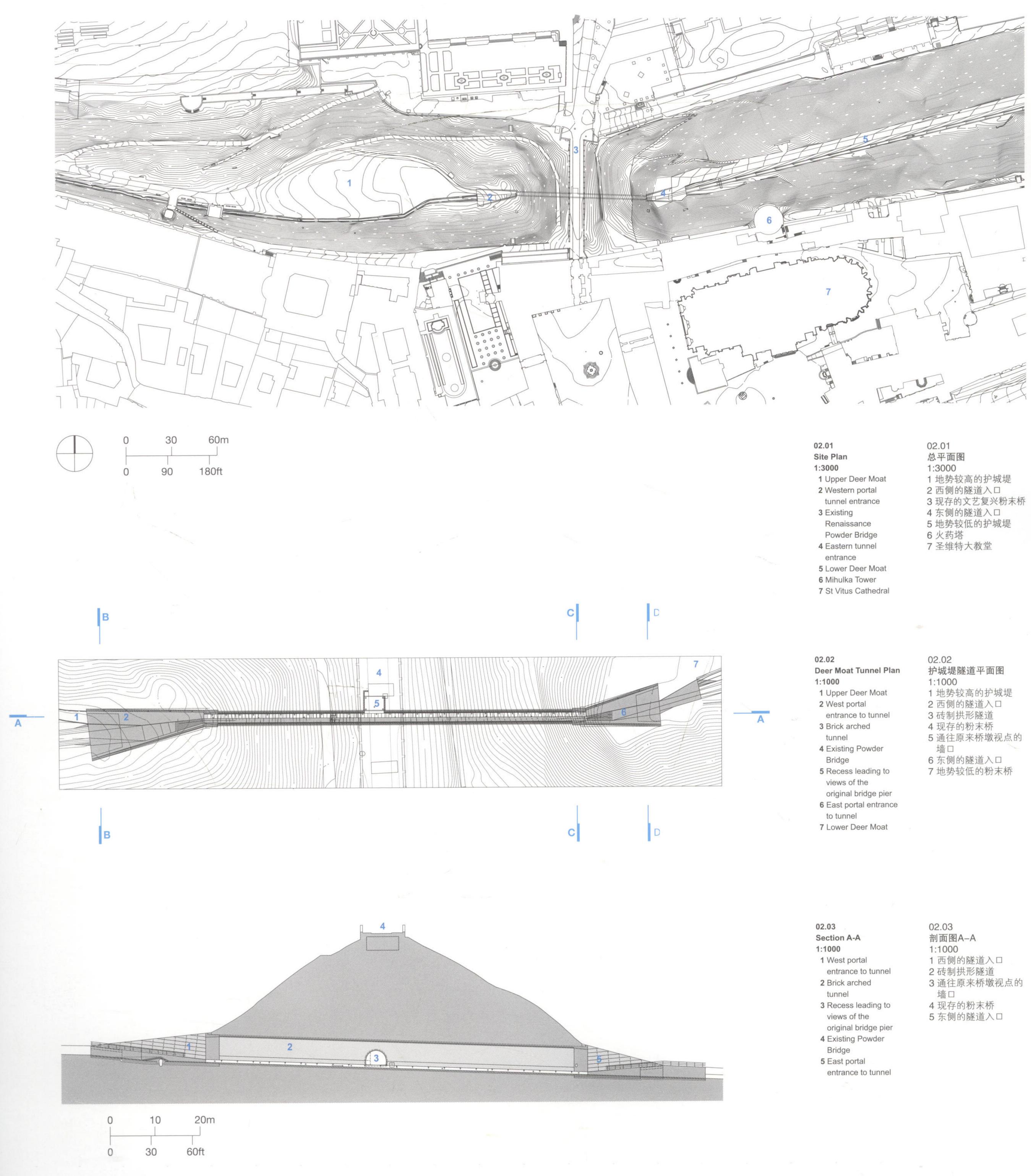
2 这个工程坐落于布拉格最受尊崇的历史纪念建筑之一的布拉格城堡(右)旁边。将现存的护城堤的两个部分连接起来。给行人经过提供了新的路径。

3 当游人看到了扔在水泥入口处的铸件,那就意味着到了隧道的入口。 4 钢铁格板构成了隧道的地面,透过它能看到下面的小河。隧道的拱形结构 来用了红色砖块而非混凝土。









02 AP Atelier, Josef Pleskot

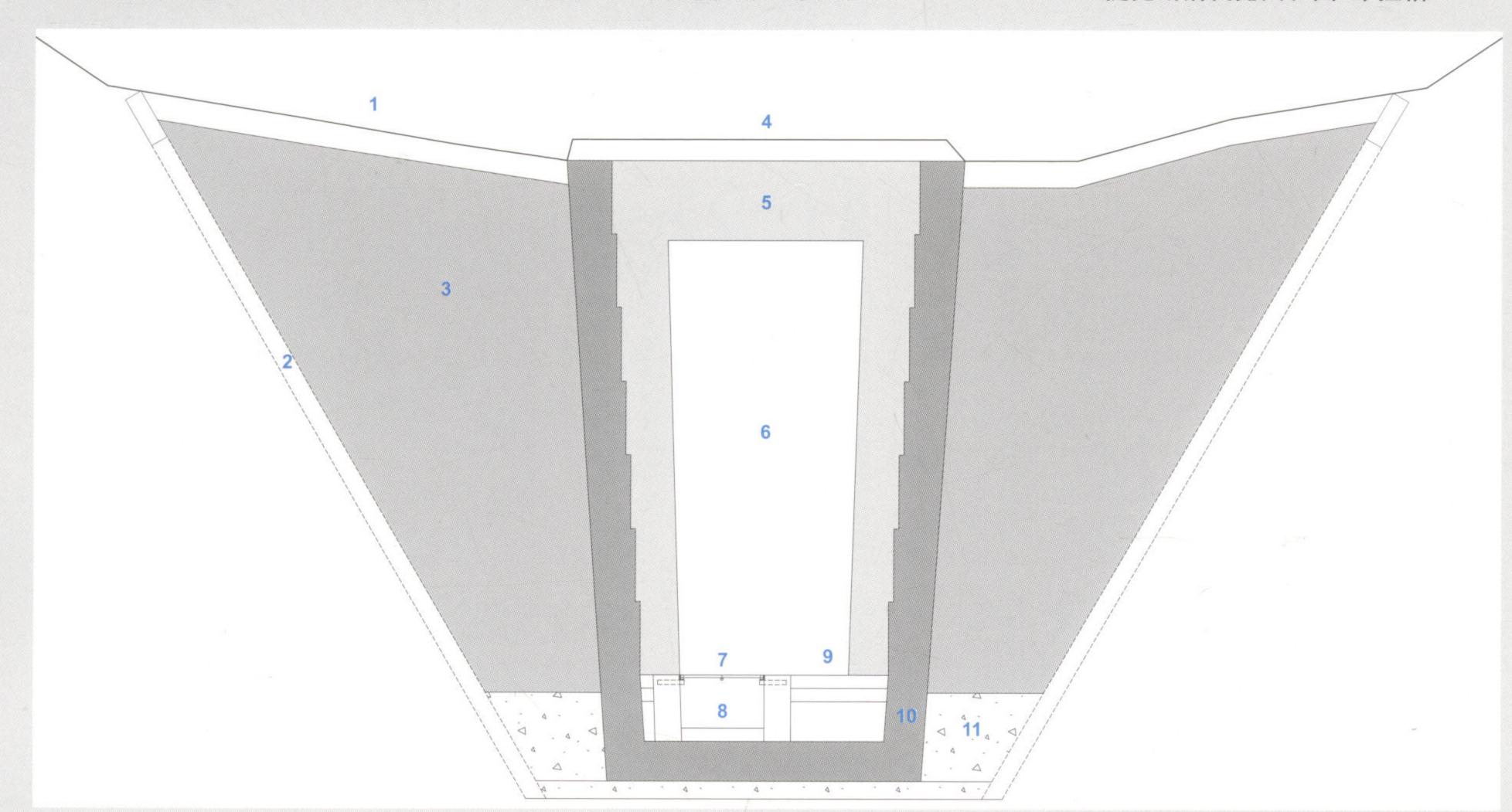
AP 阿泰烈,乔赛夫·普莱斯考特景观设计事务所

Pathway Through the Deer Moat

穿越护城堤的小路

Prague, Czech Republic

捷克斯洛伐克共和国 布拉格



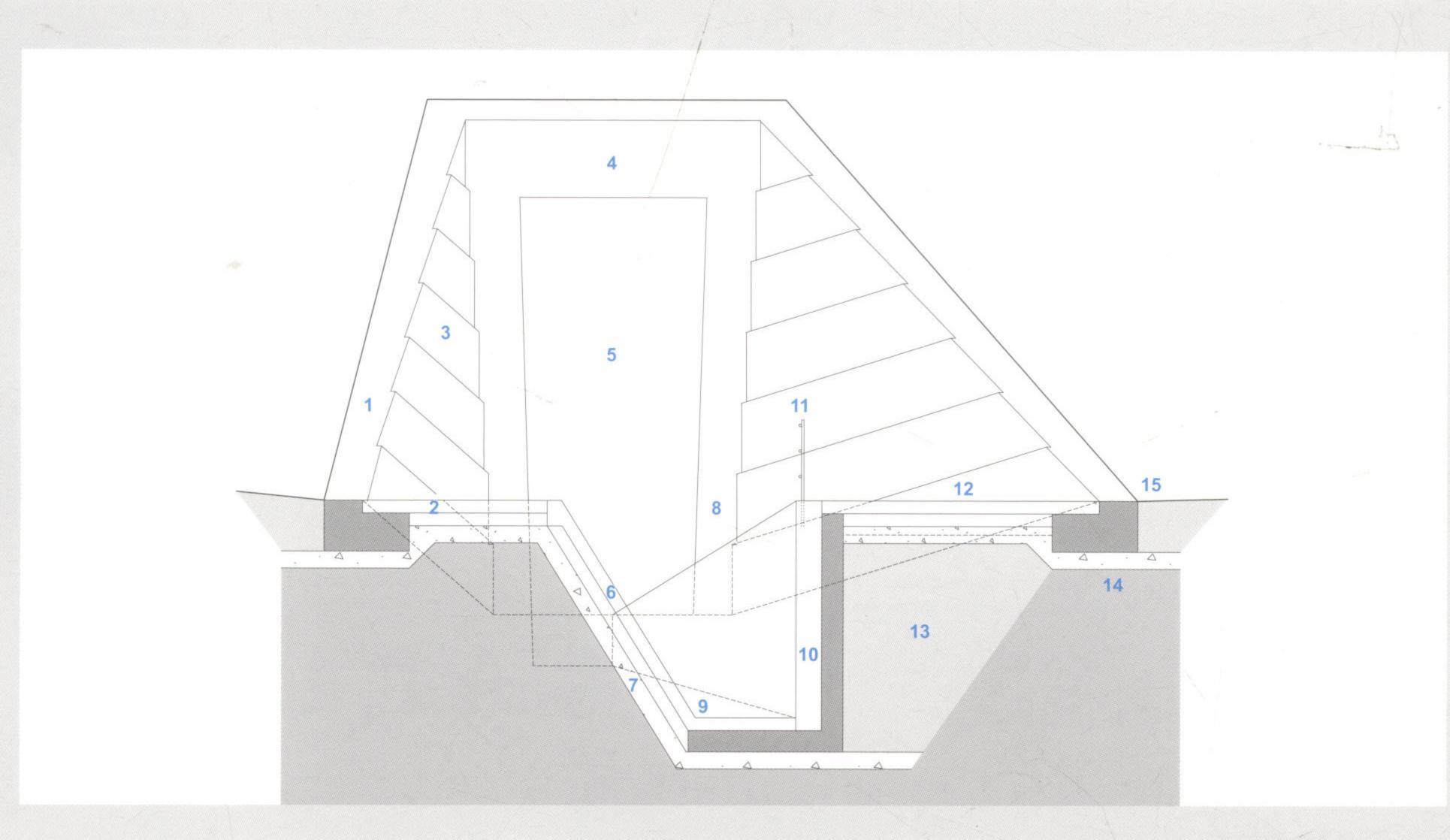
02.04 Tunnel Section B-B 1:100

- 1 Topsoil to landscape
- above tunnel 2 Reinforced concrete
- retaining wall 3 Back-fill between
- retaining wall and tunnel
- 4 Top of reinforced concrete tunnel opening
- 5 Reinforced concrete tunnel doorway
- 6 Tunnel opening
- 7 Steel mesh grille over
- stream bed 8 Quarry stone finish to
- stream bed 9 Quarry stone paving to tunnel path
- 10 Reinforced concrete tunnel opening in section
- 11 Reinforced concrete foundation

02.04

隧道剖面图B-B

- 1:100 1 隧道上方的表层土
- 2 钢筋混凝土挡土墙
- 3 挡土墙和隧道之间的 填充物
- 4 隧洞钢筋混凝土顶部 5 钢筋混凝土隧道门口
- 6 隧洞 7 河床上方的钢网格板
- 8 直达河床的石铺地
- 9 通往隧道路径的石铺 甬路
- 10 隧洞钢筋混凝土顶部 立面图
- 11 钢筋混凝土地基



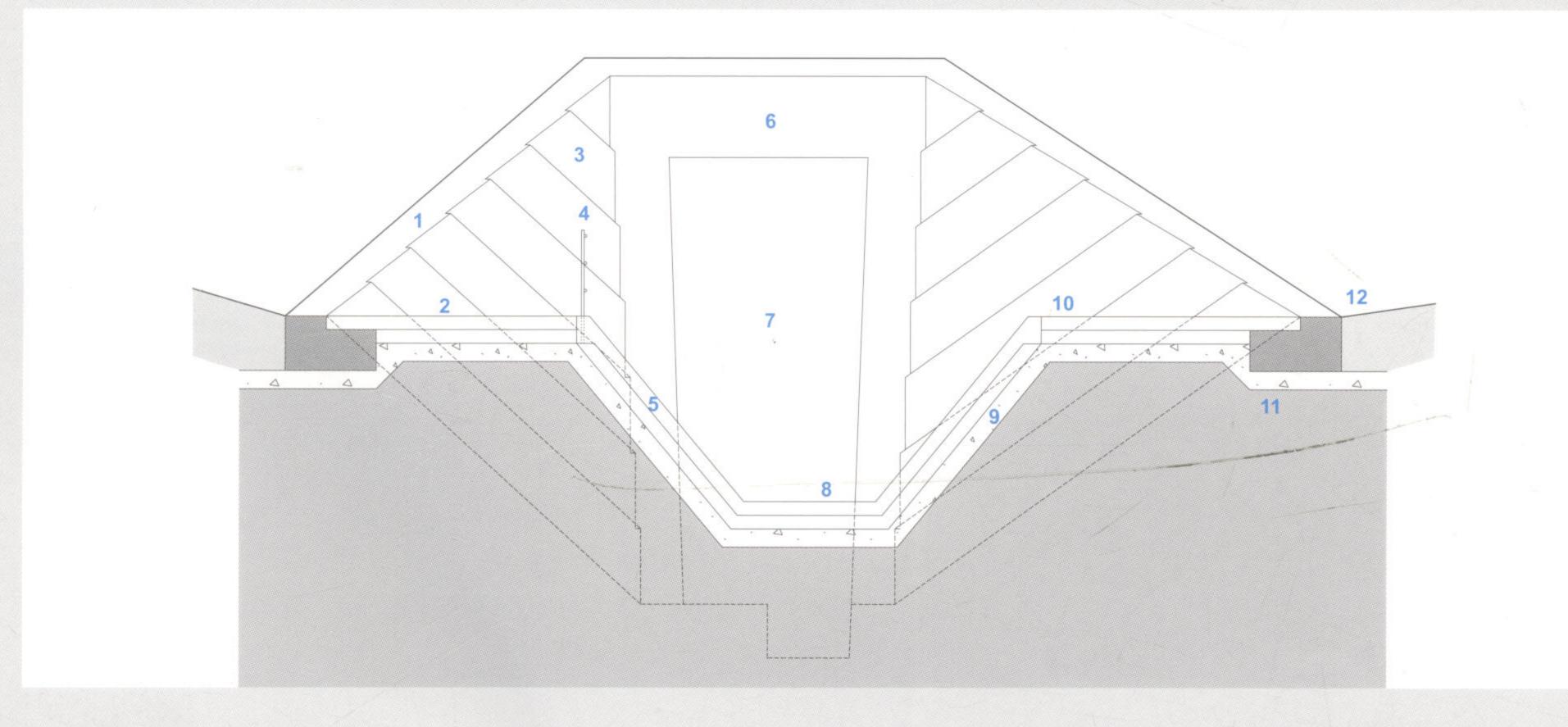
02.05 Tunnel Section C-C

- 1:100 1 Reinforced cast in-situ concrete supporting wall
- 2 Quarry stone
- block paving 3 Profiled fair-faced
- concrete to inclined wall 4 Reinforced concrete doorway surround to
- tunnel entrance
- 5 Tunnel opening 6 Stone dressing
- to stream bank 7 Reinforced concrete foundation to stream
- bank 8 Stone wall edge to
- tunnel opening
- 9 Quarry stone finish to stream bed
- 10 Stone wall to stream bank
- 11 Stainless steel handrail
- 12 Quarry stone paving to
- tunnel path
- 13 Back-fill
- 14 Existing ground level
- 15 New ground level

02.05 隧道剖面图C-C

1:100

- 1 在原处的加固铸件混 凝土支撑墙
- 2石铺甬路 3 具有层次的混凝土斜
- 4 隧道入口的钢筋混凝
- 5 隧洞
- 6 河床铺的石子
- 7 河床钢筋混凝土基础
- 8 隧洞的石墙边缘 9 直达河床的石铺地
- 10 河床边的石墙
- 11 不锈钢扶手 12 通往隧道路径的石铺
- 甬路
- 13 填土
- 14 既存地平面
- 15 新地平面



02.06 Tunnel Section D-D 1:100

- 1 Cast in-situ reinforced concrete supporting wall
- 2 Quarry stone block paving
- 3 Profiled fair-faced
- concrete to inclined wall
- 4 Stainless steel handrail
- 5 Stone dressing
- to stream bank 6 Reinforced concrete
- surround
- 7 Tunnel opening
- 8 Quarry stone finish to stream bed
- 9 Reinforced concrete foundation to stream
- bank 10 Quarry stone paving to tunnel path
- 11 Existing ground level
- 12 New ground level

02.06 隧道剖面图D-D

- 1:100
- 1 在原处的铸件钢筋混
- 凝土支撑墙 2 石铺甬路
- 3 具有层次的混凝土斜
- 4 不锈钢扶手 5 河床铺的石子
- 6 钢筋混凝土
- 7 隧洞
- 8 直达河床的石铺地
- 9河床钢筋混凝土基础 10 通往隧道路径的石铺
- 甬路 11 既存地平面
- 12 新地平面