



IFLA AAPME Awards 2024
Built Category : Culture and Traditions

The Rural Revitalization Project of Langtou Village, Tanbu Town, Huadu District, Vipshop
GUANGZHOU, GUANGDONG, CHINA

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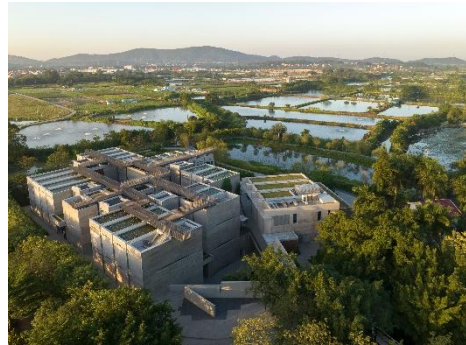
Project Name : The Rural Revitalization Project of Langtou Village, Tanbu Town, Huadu District, Vipshop

Project Address : Langtou Village, Tanbu Town, Huadu District, Guangdong Province, China

Award Category : Culture and Traditions

PROJECT STATEMENT

The project is themed around "Roof Lotus Pond: The Eight Elegances of Traditional Chinese Culture". The design emphasizes Chinese literature, enhancing the cultural characteristics of "Cultivation and Reading for the Family's Legacy" and showcasing the charm of Lingnan ancient villages in diverse ways. The site is organized using three strategies: "Inheriting academy culture", "Integrating architectural landscape", and "Presenting the style of Lingnan". The "Roof Lotus Pond" cultural building complex reflects the life of scholars and creates an elegant village space to meet modern spiritual needs. The cultural center acts as the catalyst for the cultural tourism development of the entire ancient village, integrating the site's context with subsequent operations and management, establishing a new landmark of Lingnan culture, and fostering the renaissance of Lingnan rural culture.



City & Country

Guangzhou City,
Guangdong Province

Design Time

April, 2022

Area(sq.m) :

75,866m²

Year of Completion

November, 2023 (Built Project)

Project Narrative and Contents:

01 PROJECT GEOGRAPHY AND HUMANITIES INTRODUCTION

Langtou Village, located in Tanbu Town, Huadu District, Guangzhou City, Guangdong Province, is an ancient village with a history of over 600 years. Covering an area of 6.25 square kilometers, Langtou Village follows the traditional "comb" layout of Guangfu villages. It is close to the Ba River in the Pearl River Basin of South Guangdong Province. The village has preserved a complete water system, with the half-moon pond in front of the village as the core, reflecting the Feng Shui layout and typical morphological characteristics of traditional Guangfu village dwellings. The Langtou village also features many ancient blue brick buildings from the Ming and Qing Dynasties, presenting the typical style of Lingnan Guang-style Dawei village. Langtou Village has been recognized as China's "traditional village", as the well-known "literary Kejia Village", "China's historical and cultural village", with a heritage of "Farm in Sun, Read in Rain", casting a typical Linnan cultural village.

02 THE ORIGIN STORY OF PROJECT DESIGN

The project aims to explore a new path of high-quality rural revitalization and create a sustainable model of shared prosperity through public welfare investment, with a total investment of over 200 million Chinese Yuan. It is listed as the 2022 municipal "Siege and Remove Village" project and is a critical project for rural revitalization in Huadu District.

The "Spring Balcony" Cultural Center occupies the original lotus pond on the project site. To restore the memory of the site, the design reinstates the lotus pond in the village. Nearly 30 planting ponds of different sizes are set on the roof of the building. These lush aquatic plants not only provide a natural landscape but also reduce the building's energy consumption. The "Spring Balcony" Cultural Center serves as a window to display and inherit the traditional culture of Langtou Village and connects its past, present, and future.

The "He Chun Residence" Boutique Guest House emphasizes the concept of "Warmth". Warmth is not only a feeling but also an invisible force that surrounds guests from the moment they step into the courtyard, creating a sense of home. The environmental design preserves many of the ancient trees from the original site, demonstrating a deep respect for nature. With its unique design concept and excellent service, "He Chun Residence" provides a comfortable and cozy place for tourists to stay. Visitors can experience the charm of traditional Lingnan architecture, enjoy the tranquility and peace of ancient villages, while benefitting from modern conveniences and quality.

03 PROJECT DESIGN HIGHLIGHTS

- (1) Cultural Center:** The landscape design of the "Spring Balcony" Cultural Center is based on the concept of "Using literati's eight elegances to describe eight senses of life". It creates a narrative landscape experience space that integrates emotions with an elegant environment through eight life emotions: curiosity, joy, enlightenment, confusion, recollection, contemplation, intoxication, and appreciation. This design allows visitors to deeply experience the cultural and historical exchange within a nature-surrounded space, while also providing a retreat for modern individuals to reconnect with nature, embrace life, and find their inner peace. Additionally, the landscape design adheres to the principle of moderation to create a dynamic and evolving environment. The design incorporates innovative modern concepts while maintaining traditional elements, using lush aquatic plants and creeping vines to give the space vitality and to regulate the microclimate.
- (2) Boutique Homestay:** "He Chun Residence" consists of 21 single-family rural courtyards rebuilt from old houses in Langtou Village. The renovation retains the local architectural forms and cultural heritage, adopting a traditional layout of three rooms and two corridors to showcase Lingnan-style architecture. The homestay offers various public spaces that meet modern needs while reflecting Lingnan culture: The reception area, "He Chun Communication," combines traditional and contemporary design to warmly welcome each guest and provide an elegant space for interaction. The exhibition hall, "He Chun Read", is dedicated to presenting local culture and art, offering guests a profound understanding of the regional heritage. To deeply understand Linnan regional culture, the creative restaurant, "He Chun Banquet", transforms local ingredients into culinary delights, providing both visual and taste enjoyment. The pool area, "He Chun Swimming", is an ideal spot to spend your spare time, especially in early morning or late afternoon. For business travelers, the "He Chun Meeting" meeting room offers a professional environment infused with regional cultural elements, ideal for conducting business. These thoughtfully designed public spaces provide a comfortable living environment for guests and also afford each visitor the opportunity to immerse themselves deeply in the high-quality art of living and the distinctive charm of Lingnan culture.

04 PROJECT SOLVING APPLICATION

(1) Environmental Benefits: The project realizes the harmonious coexistence between ancient village protection, the natural environment, and modern architecture.

(2) Economic Benefits: The project promotes market operations and sustainable development through core business forms such as the cultural center, ancient village exhibitions, boutique homestays, and diversified consumption. It attracts younger customers, drives employment, and revitalizes ancient villages.

(3) Social Benefits: The project aims to promote the rich literary culture of ancient villages, revitalize the resources of the village, and establish a new consumption scene for rural cultural tourism by unifying spatial vision and creating a space that integrates architectural landscapes. Through collaborative efforts involving multiple parties, including experts, scholars, and villagers, the project seeks to explore a new path for high-quality rural development, led by culture. It aims to achieve the public welfare empowerment of rural revitalization and establish a sustainable model of common prosperity.



05 PROJECT TECHNOLOGY APPLICATION

(1)Roof Structure Load and Anti-seepage Technology: To create the cultural center "Roof Lotus Pond," incorporating a lotus planting pool on the rooftop of the building complex poses a significant challenge in terms of load-bearing capacity and anti-seepage functionality. The rooftop employs a double-layer structure, comprising an independent roof structure and a separate steel-concrete pond wall structure. This design ensures independent waterproofing for both the roof and the pool wall. Furthermore, a double_layer structure, covered by aluminum plates, is utilized on the top of the parapet wall to prevent water seepage through any gaps, thus realizing the desired design effect seamlessly.

(2) Roof Lotus Planting Technology: The roof lotus planting technology involves careful consideration of the Lingnan climate's long-term exposure, ensuring necessary conditions for plant survival. Additionally, the effects of flowering and decay periods must be taken into account. To address these challenges, experienced plantsmen have convened multiple discussions and demonstrations. Solutions such as water depth control, temperature regulation, and seasonal alternation of plants have been proposed to mitigate these issues effectively.

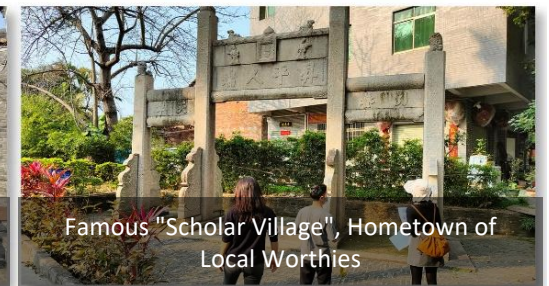
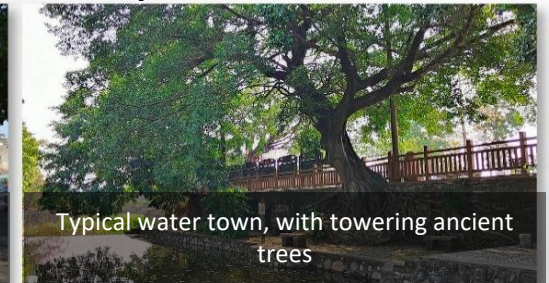
(3) Water Ecology in Situ Restoration Technology: To address the pollution in ponds caused by pesticides and chemicals, the design team employed 3D integrated water ecology in situ restoration technology. This approach involves strategically planning and treating the water system by incorporating water purification plants, benthic animals, fish, and a dynamic water circulation system. Not only does this solution effectively resolve the water quality issues in the village, but it also introduces a dynamic water feature, enhancing the village's aesthetic appeal. Moreover, the restoration of the water ecosystem contributes to the overall improvement of the environment's ecological benefits.

Status Quo

Langtou Village has a long history and profound cultural heritage. However, the ancient village is now facing difficulties in its development, troubled by problems such as the gradual disappearance of traditional cultural carriers and village hollowing. Therefore, it is urgent to carry out comprehensive environmental improvement and cultural revival.



Location Analysis - Good Base: Lingnan Scholarly Aura, Water Town with Ancient Banyan Tree

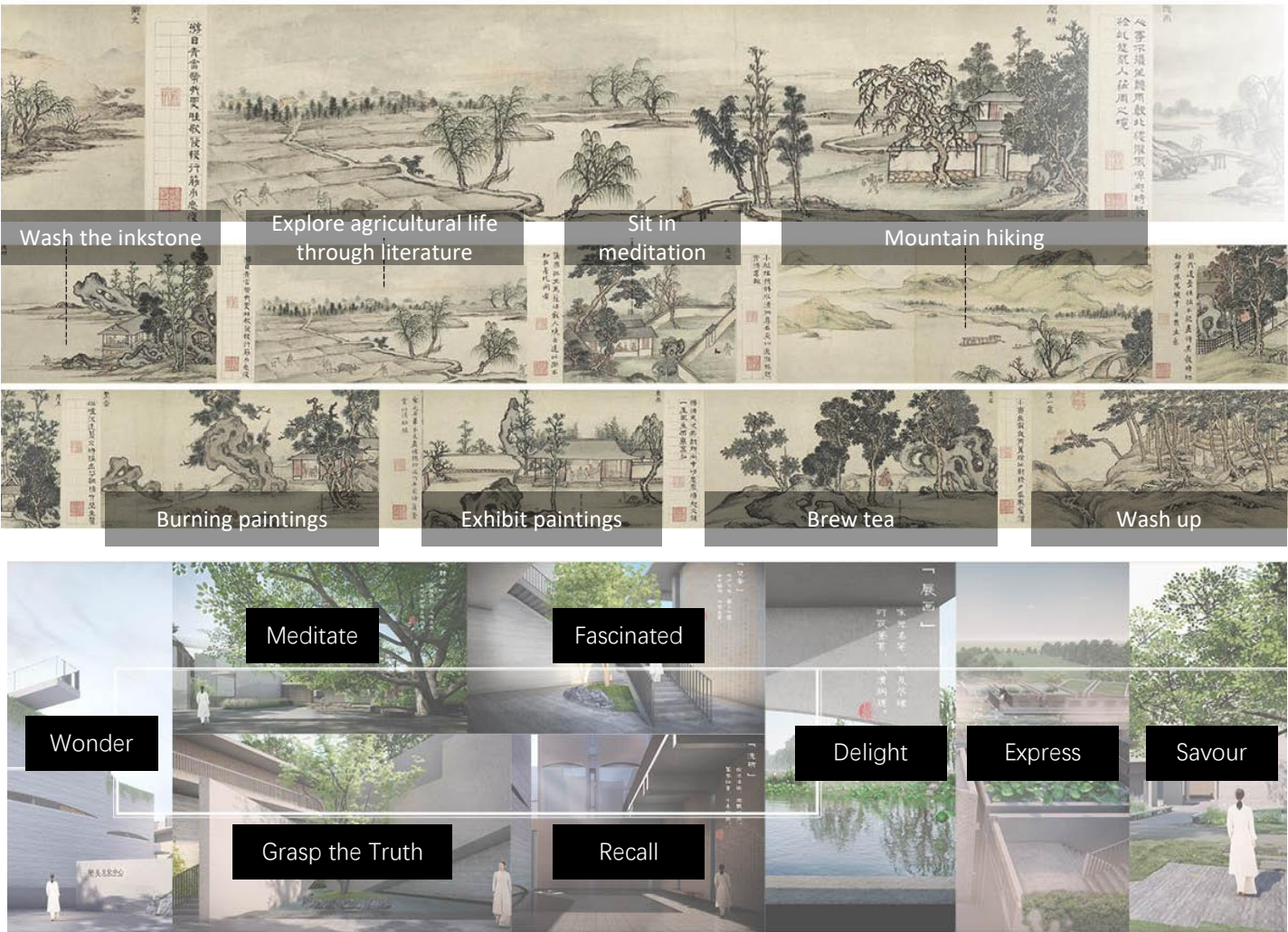


Location Analysis - Poor Performance: Flat and Tasteless, Lack of Supporting

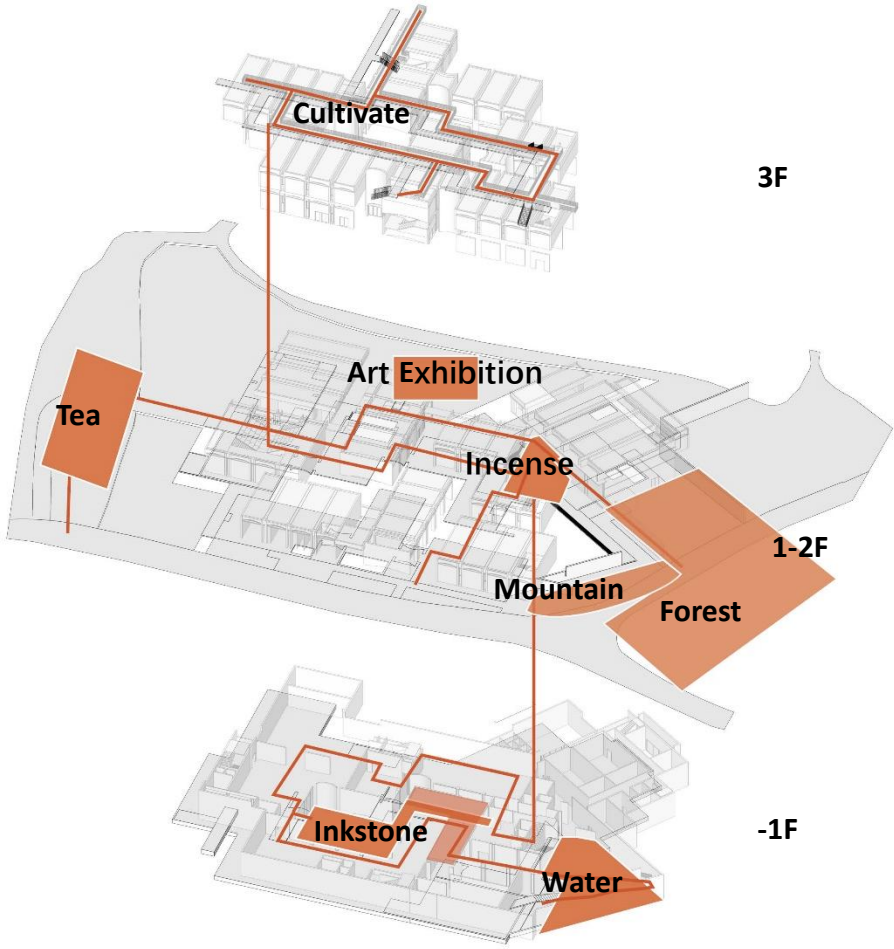


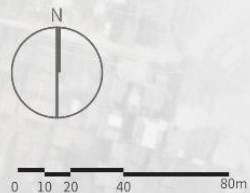
Design Concept: Roof Lotus Pond, The Eight Elegances of Traditional Chinese Culture

"Xiaoxian Qingke Tu" is a masterpiece that depicts the leisure life of scholars in the late Ming Dynasty. We integrate this cultural spirit into architectural design, combined with the natural conditions of the site, to create a cultural venue that meets the spiritual needs of modern people.

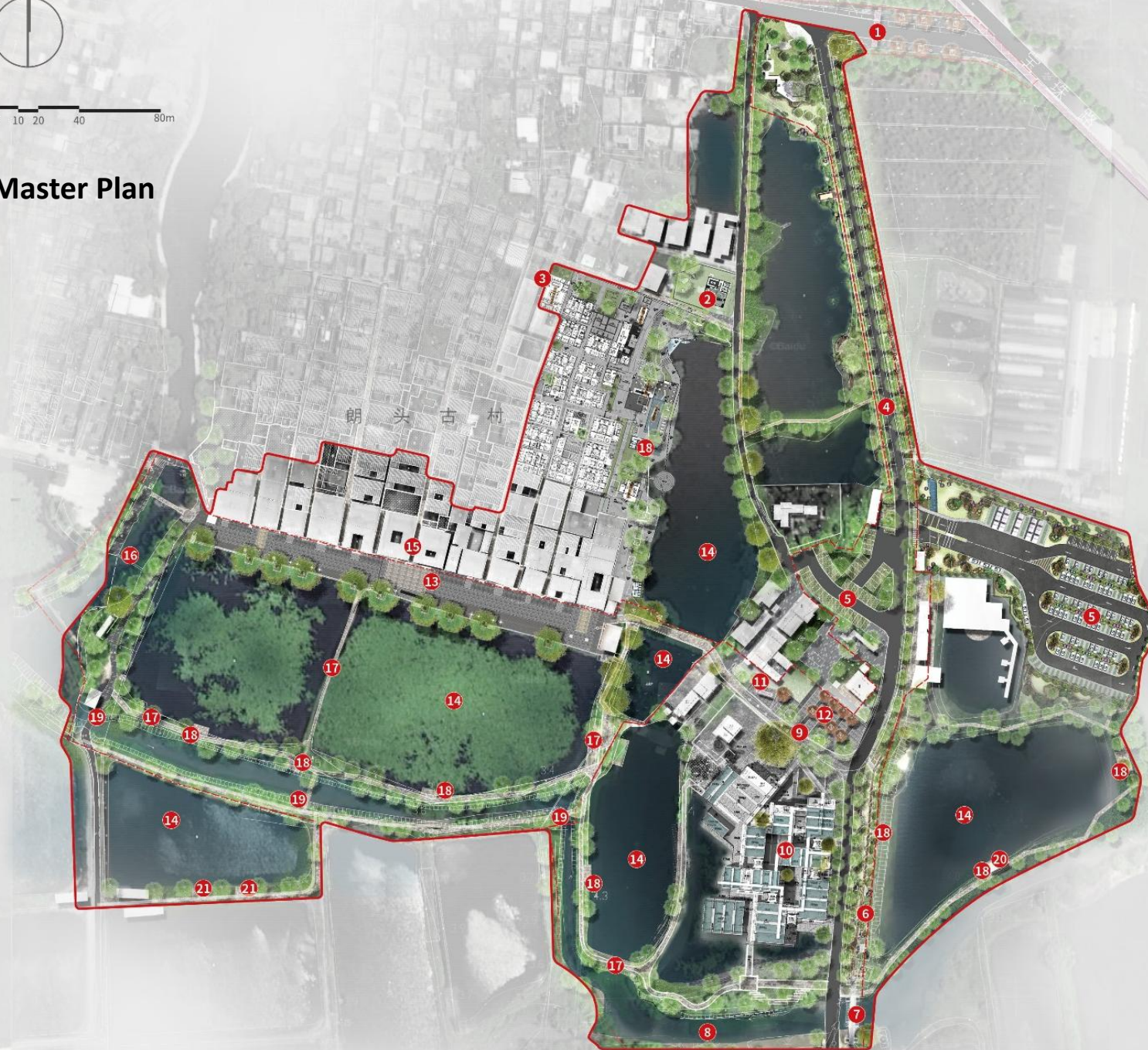


Conceptual Space Placement





Master Plan

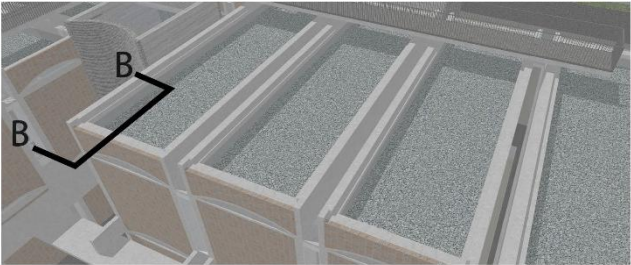
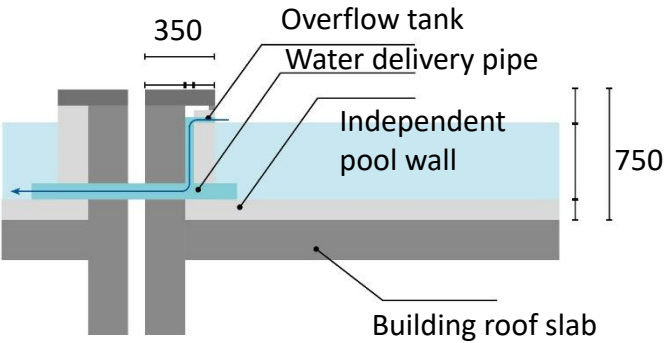
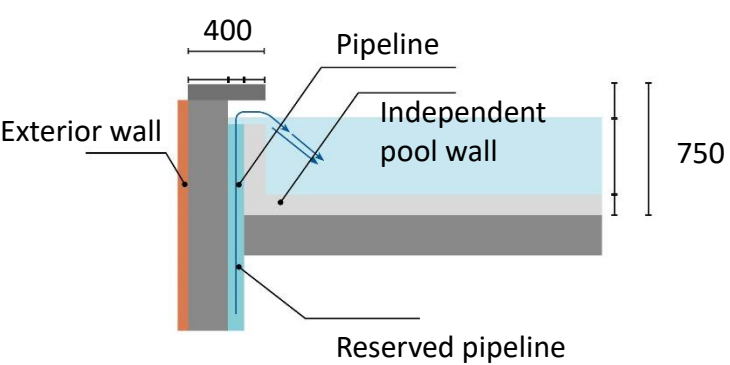


- ① Langtou Village Memorial Archway
- ② Reception Center
- ③ Ancient Village Cultural Commercial Street
- ④ Welcome Road
- ⑤ Parking Lot
- ⑥ The Belt-shaped Green Space on Qingyun Road
- ⑦ Qingyun Bridge
- ⑧ Carp Bay
- ⑨ Resting Square
- ⑩ Cultural Center
- ⑪ Shengping Renrui Memorial Archway
- ⑫ Ancient Tree Culture Exhibition Area
- ⑬ Cultural Experience Center
- ⑭ Feng Shui Pond
- ⑮ Traditional Ancient Architecture
- ⑯ Waterfront Green Space
- ⑰ Tourist Trail
- ⑱ Landscape Platform
- ⑲ Landscape Bridge
- ⑳ Landscape Pavilion
- ㉑ Fishing Platform

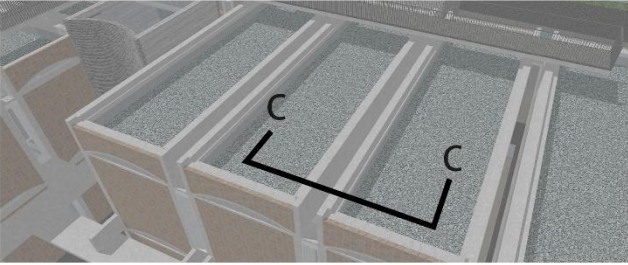
Roof Structure Load and Anti-seepage Technology

Roof Structure Forms

Total Wall Thickness: 350-400mm; Pool Base Slab Lowering: 50mm



Building reserved water tank supply and drainage pipeline



The structural relationship between rooftop pool



Range of rooftop pool

Water Ecology in Situ Restoration Technology

Analysis of existing circumstance of the original pond:

(1) Belonging to old rural ponds:

Serious endogenous and exogenous pollution, and there are various levels of silt and domestic garbage deposited for years at the bottom of the pond.

(2) Complete loss of water ecosystem structure and function:

Low self purification ability and transparency of water bodies, yellowing and darkening of water color, and eutrophication.

(3) Poor liquidity:

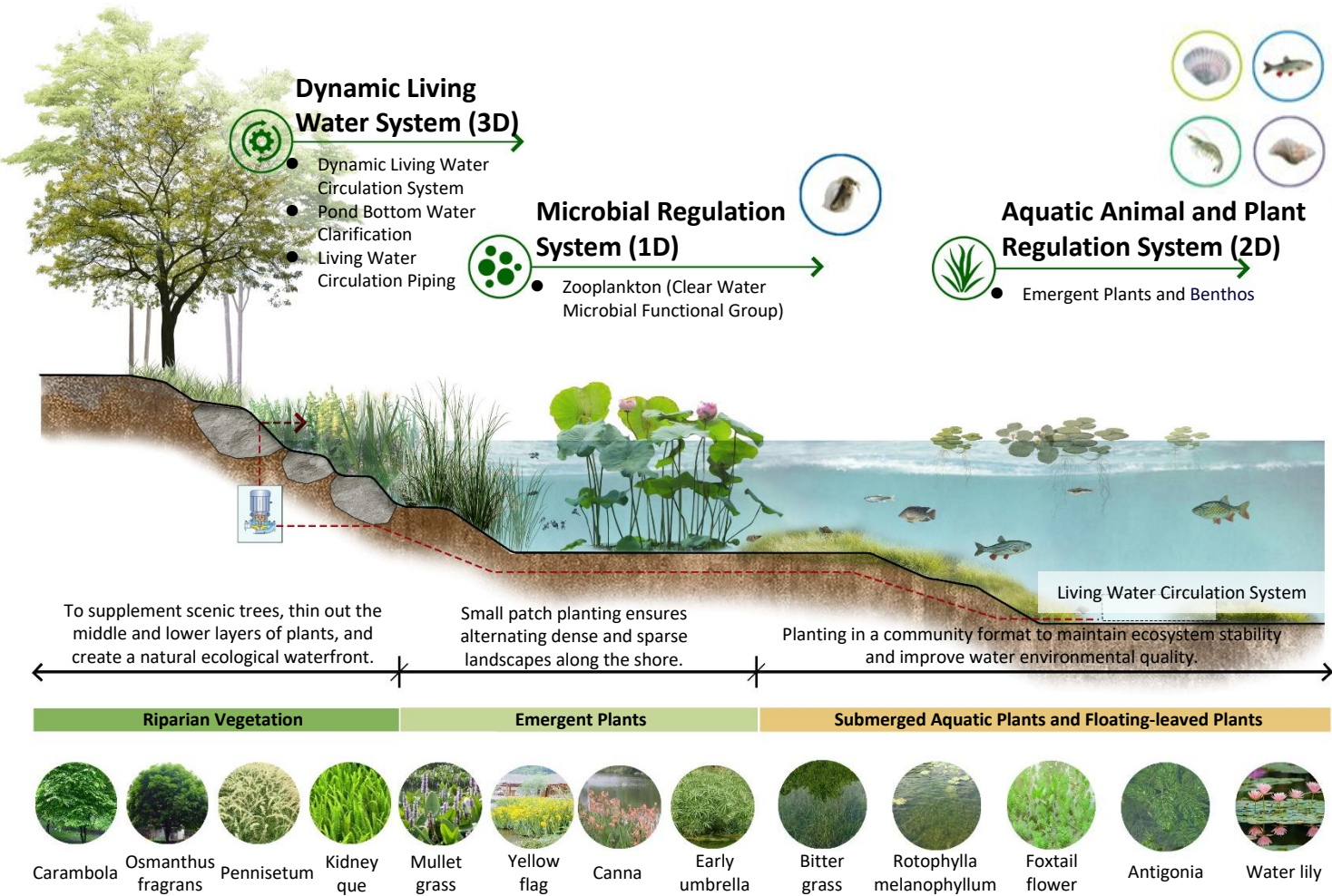
It is a closed pond with no liquidity of its own.



Water Ecology in Situ Restoration Technology

Utilizing the three-dimensional comprehensive aquatic ecological in situ restoration technology, the water system was properly planned and managed, incorporating water purification plants, benthic organisms, fish, and a dynamic water circulation system. This has not only enhanced the overall natural aesthetic appeal but also created a healthy and pleasant living environment for villagers.

After water environment management, the water quality of the lotus pond has been purified. This provides a habitat for aquatic animals, increases the biodiversity of the water body, and enhances the stability of the aquatic ecosystem.





Cultural Center Aerial View:

Landscape design combines modern architecture with the natural environment, creating a harmonious coexistence between artificial architecture and ecological landscapes.



Ancient Tree Square:

Protecting local culture, continuing the memory of the venue, and creating a public place that integrates with nature and inherits culture



Utilizing a solitary landscape tree as the focal point, it integrates the aesthetics of architecture and nature.



The simple concrete gray scenic wall harmoniously coexists with nature and architecture, allowing for unfettered growth.



The plaza space features plant groupings as the focal point, integrating the architecture and landscape into a harmonious whole.

Cultural Center:

The entrance and atrium landscape walls echo the material of the building facade, integrating the building with the landscape, creating a pure, open, natural, and return to simplicity humanistic space.



Stage Theater:

The outdoor-connected stage theater utilizes framing design techniques to form a stunning natural picture scroll.

Creeper Woodbine

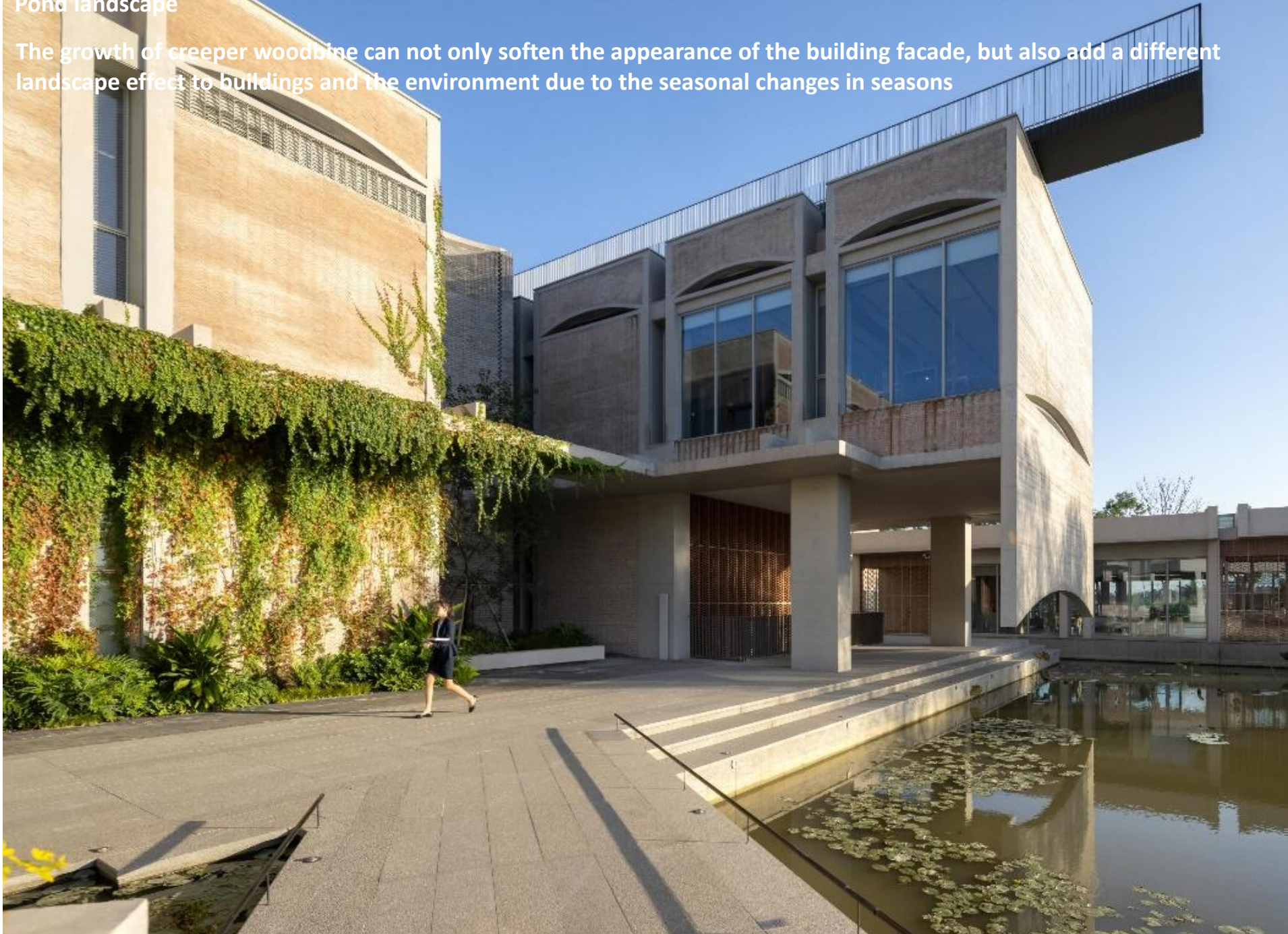


Creeper Woodbine



Pond landscape

The growth of creeper woodbine can not only soften the appearance of the building facade, but also add a different landscape effect to buildings and the environment due to the seasonal changes in seasons





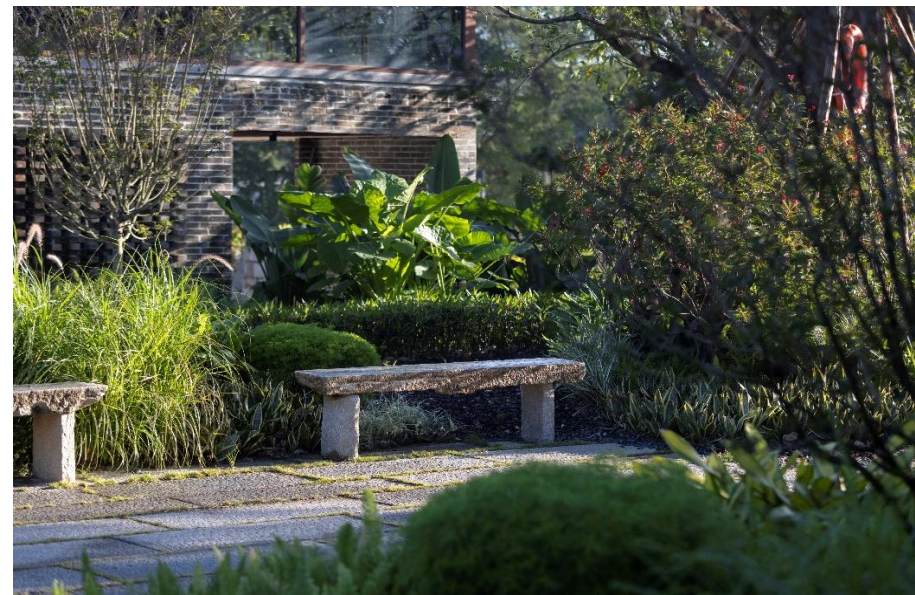
Boutique Homestay:

Repairing the old as before, creating a tranquil paradise for guests to deeply experience the cultural heritage and classical aesthetics of Lingnan.



The Waterfront of Homestay:

Balancing the harmonious coexistence of ancient village protection, natural environment, and modern architecture.



Ancient Village Alleys: The preservation of original ancient trees and restoration of village alleys maximize the retention of the site's memory.



Night View of Ancient Village Alleys:

The landscape design focuses on preserving the original ancient trees on the site, while integrating modern architecture into the natural environment through the growth of plants.



Homestay Swimming Pool:

Continuing the color palette and materials of Lingnan style, it offers guests a rich local experience.



Night View of The Courtyard of Homestay :

The cultural symbols of Lingnan architecture can be seen everywhere. Surrounded by ancient houses, trees, and water systems, the environment fully preserves the traces of time.