

The 5<sup>th</sup> International Water Association  
Resource Recovery Conference

# INSPECTION TOURS

November 4<sup>th</sup>, 2023

## Line 1

**Hotel – Honghu Wastewater Purification Plant  
– Futian Wastewater Purification Plant – Hotel**

**Two groups: Group AH (09:10) and Group BH (14:10)**

## Line 2

**Hotel – Futian Wastewater Purification Plant  
– Honghu Wastewater Purification Plant – Hotel**

**Two groups: Group AF (08:50) and Group BF (13:50)**

### Important information

1. Morning visits will be prioritized for early registrants. After reaching 100 participants, afternoon visits will be arranged.
2. To ensure safety, please note that stopping for passenger drop-off and pick-up along the route is principally prohibited.





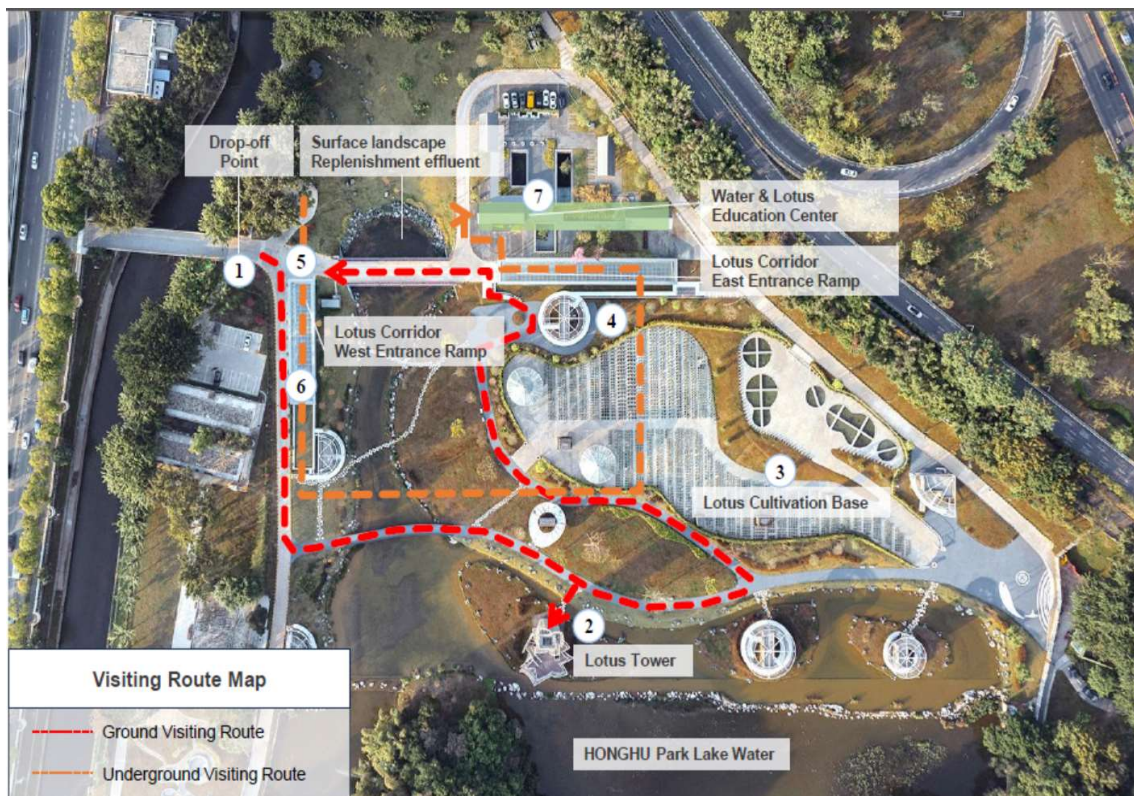


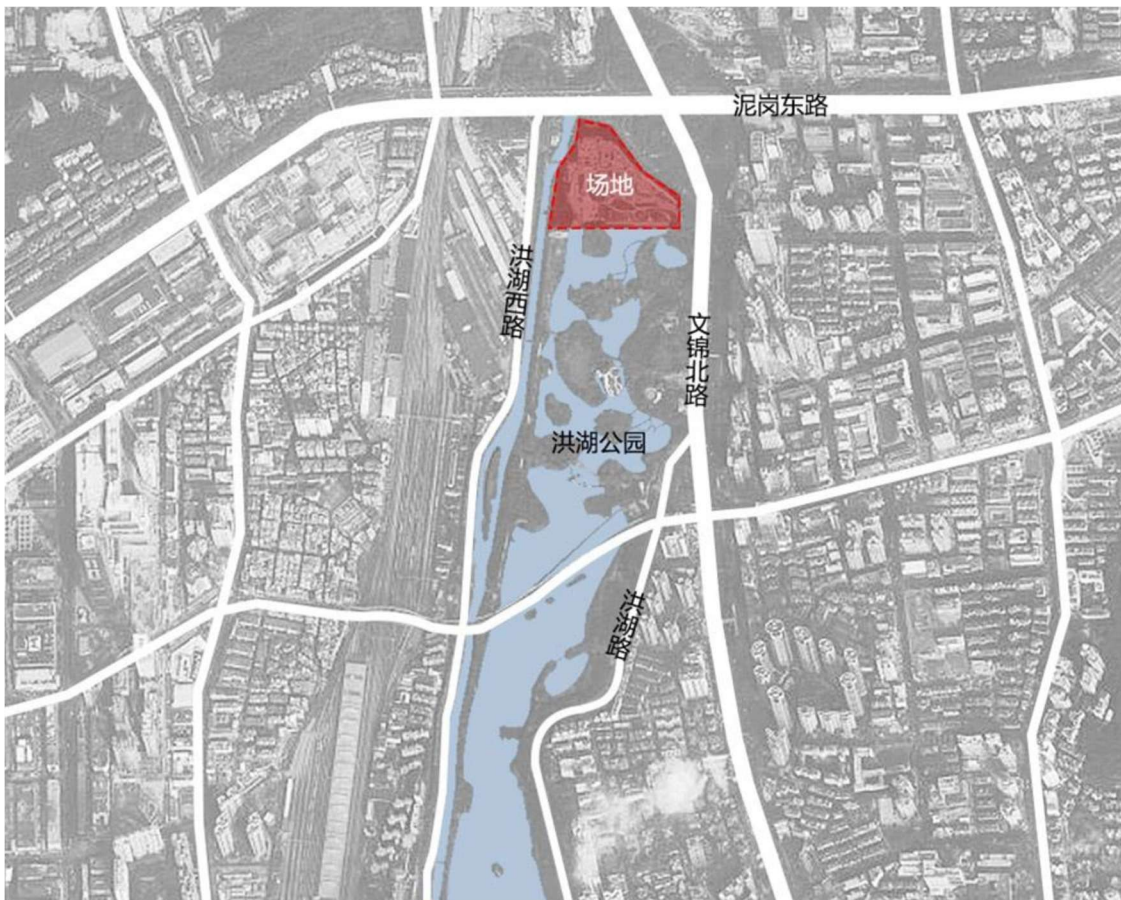
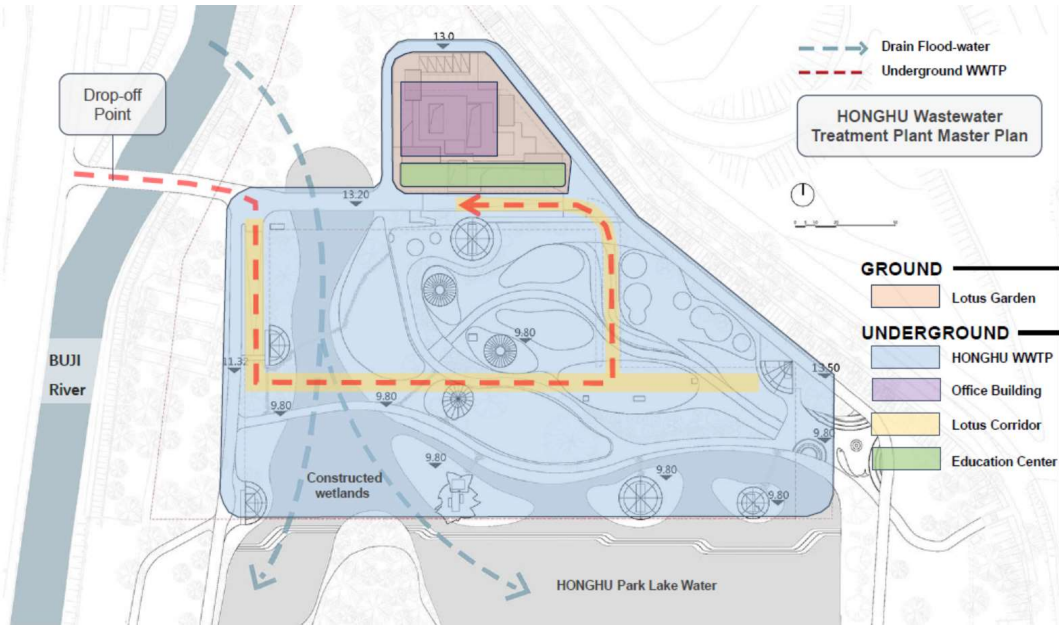
## Honghu WasteWater Purification Plant, Shenzhen

### Overview

The Honghu Wastewater Purification Plant is a subsidiary of the Luohu Branch of Shenzhen Water (Group) Co., Ltd. It is located within the premises of Honghu Park in Sungang Street, Luohu District, Shenzhen, East of Buji River, covering an area of 3.24 hectares with a total investment of approximately CNY 620 million. The technical part of wastewater treatment is a fully-buried double-layer frame structure, with the water treatment capacity of 50,000 m<sup>3</sup> and 100,000 m<sup>3</sup> per day in Phase I and long term respectively.

Guided by a visionary development philosophy founded on Innovation, Collaboration, Environmental Sustainability, Openness, And Resource Recycling, the Honghu Wastewater Treatment Plant has been constructed in a subterranean format, buried facilities for “deindustrialization. incorporating a harmonious blend of "Plant, Park, Corridor, And Baes" elements. This endeavor reintroduces lotus ponds within the public park while reclaiming green spaces for the community, thereby evolving into a themed, culturally enriched, and experiential urban public space.









## Futian Wastewater Purification Plant, Shenzhen

### Overview

The Futian Wastewater Purification Plant is an important sewage interception and emission reduction facility in Shenzhen, and is one of the largest semi underground sewage treatment plants in China. The combined structure is covered by a 76000 square meter football sports theme park, and public welfare environmental education activities are carried out for the public.





## Transit map

**Route 1:** Exhibition hall → Roof park → Sludge workshop

**Route 2:** Sludge workshop → Exhibition hall → Roof park



## Introduction

Futian Wastewater Purification Plant is located at 5 Baishi Road, Futian District, Shenzhen, covering an area of 16.32 hectares in Phase 1 and a total of 24.03 hectares of 2 Phases. Phase 1 is designed to treat 400,000 cubic meters per day, while Phase 2 is designed to treat 300,000 cubic meters per day, with a future combined capacity of 800,000 cubic meters per day. The service area extends from Huaqiang North Road in the east to Qiaocheng East Road in the west, from the Shenzhen Special Economic Zone Borders in the north to Shenzhen Bay in the south, covering an area of 62.4 square kilometers and serving a population of 1.45 million.

The combined structure of the first phase of the plant is covered by a about 80,000 square meters of football theme sports park, and the second phase is covered by about 55,000 square meters of integrated sports center. This facility is the largest semi-underground wastewater purification plant in China and serves as a "Node" of the new landmark of urban public facilities "Zhuzilin Mountain and Sea Corridor", connecting Tanglang Mountain, Antuo Mountain, Children's Park, Garden Expo Park, and the Mangrove Forest. The Plant seamlessly integrates urban functionality with natural landscapes while also provides a resting place full of greenery, making it an indispensable "purifier" for the city's operation.