City of history (the center for civilization of Yangtze River)
Design contest for conceptual city in northern region of Guishan (Turtle Hill)

THE HEART OF THE YANGTZE RIVER CIVILIZATION
PRELIMINARY STUDY ON THE PLANNING

Wuhan Land Resource and Planning Bureau

April in 2018
Wuhan is briefly called “Han” and it is also named “riverside city”, being the capital of Hubei Province and the only sub-provincial division and megalopolis in six central provinces; it is the center city in Chinese central area, core city of Yangtze River Economic Zone, important national industrial base, scientific and educational base and comprehensive transportation junction and Wuhan combined service force guarantee base under Central Military Commission. The city has 13 municipal districts, three national development zones with a total area of 8494.41 square kilometers, and the number of permanent resident people was 10.7662 million and the urbanization rate of the city is 79.77% in 2016.
Wuhan is one of the second batch of national famous historical and cultural cities announced by State Council in 1986, and the city history can date back to Panlong City in Shang Dynasty 3500 years ago; it has a long history with many ancient relics and historical sites of modern times. Preparation and implementation for protection planning of famous historical and cultural city has very important significance to enhance national cultural confidence, carry forward civilization of Yangtze River and revive the great Wuhan.

Protection graph of the historic cultural city in the main urban area

Protection graph of the historic cultural city in the administrative region of the city
Planning Scope
Overall Plan Land Use

Scope of historical city
Urban design scope of core area [northern area of Guishan (Turtle Hill)]
Planning for the Upper Position

Planning structure drawing of metropolitan development area

Overall Planning for Wuhan (2010-2020)

Planning graph for overall planning land use of the main urban area

Legend

- Range line of the main urban area
- Range line of the central activity zone
- Range line of comprehensive cluster
- Municipal comprehensive service center
- Municipal sub-center
- Cluster center
- Benjiang activity zone
- Cluster of the main urban area

Legend

- Residential land
- Administrative land
- Commercial finance land
- Grantment land
- Industrial land
- Land for municipal facilities
- Land for public green land
- Land for tourist attraction
- Green land for production protection
- Water area
- Railway and station yard
- Road
- Special land
- Land for education and scientific research
- Land for medical treatment and public health
- Warehouse land
- Square land
- External traffic land
- Land for education and scientific research
- Market land
- Land for medical treatment and public health
- Sports land
- Land for public green land
- Land for tourist attraction
- Land for municipal facilities
- Land for production protection
- Rail station and yard
- Range line of the main urban area
Planning for Upper Position

Overall Plan Land Use

Planning graph for green space system in metropolitan development area

Overall Plan Land Use

Legend
- Green land of parks
- Green land of production
- Green land of protection
- Tourist attraction and forest park
- Other green spaces
- Range line of metropolitan development area

Planning for famous historical and cultural city in the main urban area

Overall Plan Land Use

Legend
- National cultural relic protection site
- Provincial cultural relic protection site
- Municipal cultural relic protection site
- Historical site and historical and cultural blocks
- Range line of the main urban area
Planning for the Upper Position

Detailed guide rule for controllability of Wuhan

Legend

- Residential land
- Primary and Secondary School
- Education and scientific research land
- Commercial and financial land
- Administrative land
- Exhibition land
- Entertainment land
- Sports land
- Hospital
- Land for municipal facilities
- Public green land
- Ecological bottom line area
- Water

Planning Scope

Turtle Hill
Five metro lines have been opened, and two lines are under construction and two lines have been planned in the historical city.

The northern Guishan region is near to Line 4 and Line 6 of rail transit, and Line 13 of rail transit will pass through the area in the future.
Situation of Historical and Cultural Resources

Overall site area 33KM²

Land area 28KM²

Water area 5KM²

Hanzheng Street Traditional Commerce and Trade Tourist Attraction

Guishan Tourist Attraction

Moshui Lake

Shahu Lake

East Lake

Nan’anzu

Dragon King Temple

Feature area of original Hankou concession

Feature area in Hanyang old city

Feature area of Wuchang old city
Basic Situation of Northern Guishan (Turtle Hill)

The northern Guishan area is located in intersection of two rivers, integrating landscape of rivers and lakes, humanistic deposition and geographical feature; it is oriented as the urban humanistic core in the macro structure of two rivers and four riversides, and it is an important area to increase urban vitality and reflect urban features.
Basic Situation of Northern Guishan (Turtle Hill) Area

Wuhan Guide Rule for Detailed Planning of Controllability
Basic Situation in Northern Guishan (Turtle Hill) Area

Superior Natural Resource Conditions

Two rivers: intersection of Yangtze River and Han River and source of Wuhan;

Two mountains: Guishan and Meizi Mountain, being important composition of mountain system in west-east direction in Wuhan;

One lake: Yuehu Lake

Meizi Mountain, Guishan, Yuehu Lake Park and Snake Mountain, etc jointly compose landscape greening gallery in west-east direction in landscape system of water and mountain of urban two rivers and four riversides, being an important component and core landscape of “cross-type” landscape and landscape ecology axis fro Yangtze River, Han River and mountain system in west-east direction.
Basic Situation of Northern Guishan (Turtle Hill) Area

Abundant Historical and Cultural Resources

One block of historical and cultural feature: northern Guishan area

Ten cultural protection sites: two national sites including Yangtze River Bridge and Palace of Yu and Ji; four provincial sites including revolutionary soldiers cemetery, Martyr Grave of Xiang Jingyu, Bronze Statue of Huang Xing and Ancient Lute Platform; four municipal sites including rubbings in the precipices of Dabie Mountain and Meizi Mountain, Ore Sand Wharf Site for Hanyang Iron Works and Tomb of Lusu

Five immovable cultural heritages: Mauser M1888 Rifle, Guishan Block House, Iron Gate Pass and Feats Rock of Yu

Three industrial heritages: Yingwu Tape Plant, Hanyang Special Automobile Manufacturing Plant and No. 1 National Cotton Plant
Basic Situation of Northern Guishan (Turtle Hill) Area
Buildings in the area have been demolished, and planning is not restricted.

Other buildings on the land can be demolished (excluding those on the Turtle hill)

Reservations and transformation can be carried out in combination with planning

Buildings in the area have been demolished and planning is not restricted.

No. 1 National Cotton Plant

Special Automobile Manufacturing Plant

Yingwu Tape Plant

National/provincial cultural protection site

Municipal cultural protection site

Immovable cultural heritage

Legend

Protection scope of cultural relics

Building of historical protection

Blocks with traditional features

Ontology line for cultural relic building

Establishment of control zone

The memory of the revolutionary martyrs

Guishan (Turtle Hill)

Han River

Yangtze River

Previous Hanyang Iron works site

Wuhan Yangtze River Bridge

National Cultural Protection Site

Municipal Cultural Protection Site

Building of historical protection

Blocks with traditional features

Ontology line for cultural relic building

Establishment of control zone

Protection scope of cultural relics

No. 1 National Cotton Plant

Special Automobile Manufacturing Plant

Yingwu Tape Plant

National/provincial cultural protection site

Municipal cultural protection site

Immovable cultural heritage

Legend
Basic Situation in Northern Guishan (Turtle Hill) Area

Abundant Historical and Cultural Resources

1. Ancient Lute Platform
2. Qingchuan Tower
3. Yingwu Tape Plant
4. Mauser M1888 Rifle
5. Special Automobile Manufacturing Plant
Basic Situation of Northern Guishan (Turtle Hill) Area

It Has Certain Land Use Development Space

Nan’anzi River Beach Park includes about 13 hectares of green land, and Guishan park includes about 35 hectares of green land; and others are Mauser M1888 Rifle Cultural Creative Industrial Park (Yingwu Tape Plant), Special Automobile Manufacturing Plant, No. 1 National Cotton Plant, Rongze Printing and Dyeing Mill and reservation land for Wuhan Land Reservation Center etc, and the area of developable land is about 87 hectares (22 hectares in Phase 5 of Yuehu Lake and 65 hectares of Guishan).
Basic Situation of Northern Guishan (Turtle Hill) Area

1) Traffic limitation to three-dimensional transportation
2) Traffic limitation to internal roads
Basic Situation of Northern Guishan (Turtle Hill) Area

There is flood prevention dyke for river control, thus the river water is controlled.

Top elevation of flood prevention dyke: flood stage in 1954 + 2.0 m; the flood stage in 1954 was the highest flood stage (exceeding the stage in 1998) of the recent decades, and elevation of the Yellow Sea is 27.64 m.
Early Planning for Northern Guishan (Turtle Hill) Area

Attention of municipal party committee and municipal government and the vast citizens has been paid to the planning and construction of Nan’anzu—northern Guishan area as intersection core of the two rivers. Residents in Nan’anzu have overally moved since catastrophic flood in 1998, and rounds of plans have been prepared for Nan’anzu-northern Guishan area; the plan has experienced four phases of “collection of scheme thought-determining overall thought-planning for functions and morphology-implementation”, and consensuses haven been concluded after developing rounds of expert discussion.

Summary of past schemes: year 1998-now

Many famous design institutions at home and abroad have been invited to prepare rounds of design scheme.

Detailed Planning for Controllability in Nan’anzu Area prepared by Municipal Planning Institute in 2000

Urban Design for Nan’anzu prepared by Tsinghua Design Institute and International Consulting Innovation Contest of Planning Design for Nan’anzu Area in 2001

International collection of Comprehensive Development and Construction Planning in Areas on Both Sides of Han River, Construction Planning for Nan’anzu and Northern Guishan Area and Planning for Yehue Lake Cultural Theme Park and Design Scheme for Qintai Culture and Art Center in 2004

Land Use Planning and Urban Design in Northern Guishan Area and Northern Area to Yuehu Lake prepared by Municipal Planning Institute and Australia PTW Architecture Design Consulting Co., Ltd. jointly in 2008

Many famous design institutes inside and outside the city investigated the city and were interviewed, including Municipal Planning Institute, Shanghai Branch of RTKL International Co., Ltd., Shanghai Branch of Akins and Shanghai Tongji Urban Planning & Design Institute, etc in 2009

Comprehensive Implementation Plan for Guishan as Urban Balcony and Plan for Relocation of Wuhan Acrobatics Department prepared by Municipal Planning Institute in 2013


Comprehensive Improvement Plan for Northern Guishan Area prepared by Municipal Planning Institute, etc in 1998

Wuhan People’s Government invited Plan and Design Institute of Harvard University to conduct academic research on areas beside Han River as early research of Overall Plan for Areas on Both Sides of Han River in 2003, and the international collection for the plan was also developed in the same year.

Urban Design for Northern Guishan Area prepared by Huazhong University of Science and Technology invited to conduct research on northern Guishan area in 2007

Early Planning for Plan of Nan’anzu and Northern Guishan Area prepared by Aecom and Tongji Design Institute jointly in 2010

Conceptual Planning for Cultural Tourism Belt on Both Sides of Han River prepared by Municipal Planning Institute and Planning Research on Nan’anzu and Northern Guishan Area prepared by Dikong & Atkins in 2011

Wuhan Overall Plan for Improvement of Tourism Function for Two Rivers and Four Riversides jointly prepared by Municipal Planning Institute, Dutch NITA Company and Wuhan Branch of China Tourism Academy in 2014

Implementation Planning for Starting Area in Two Rivers and Four Riversides being prepared according to the requirement of Wuhan Three-year Action Plan for Improvement of Tourism Function for Two Rivers and Four Riversides during 2016-2018 of municipal government
Municipal government invited Plan & Design Institute of Harvard University to conduct academic theoretical research in aspects of planning design idea, social economic development and legal policies, etc in areas beside Han River in 2003. It aimed to construct urban public open space in Nan’anzi; northern Guishan area: it aimed to conduct mixed development and forge planning idea of metropolitan block, and ecological relation among Han River, Guishan Mountain and Yuehu Lake was also emphasized at the same time.
International collection for overall planning of areas on both sides of Han River was conducted in July in 2003, and three international famous design institutes respectively from America, Australia and Hong Kong participated in the collection.

It was proposed to construct theme parks in Nan’anzui and northern Guishan area for WWCOT scheme; it was proposed to plan mixed land in northern Guishan area mainly for top grade residence, large-scale public service facility and cultural and artistic facilities, etc and plan large-scale open space as space landscape node to be activity concentration place for citizens to create green ecology in Nan’anzui area for COX scheme; it was proposed to conduct moderate mixed development of residence, business and public facility and control several greening passages in north-south direction in northern Guishan area and plan symbol building as citizen activity center by emphasizing the publicity of the place in Nan’anzui area for BAZO scheme.
Municipal Planning Institute integrated the three international consulting schemes and research thought of Harvard University based on this, and prepared comprehensive plan for development and construction in areas on both sides of Han River and determined overall planning structure and construction thought in areas on both sides of Han River.

It aimed to determine northern Guishan area as a compound functional area integrating cultural exchange, leisure club and top grade residence; it aimed to construct large-scale green land for parks to forge symbol urban open space in Nan’anzi.