

DI,WU

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Jerrabomberra Water Town

Canberra, Australia

Area

360 Hectares

Project Team

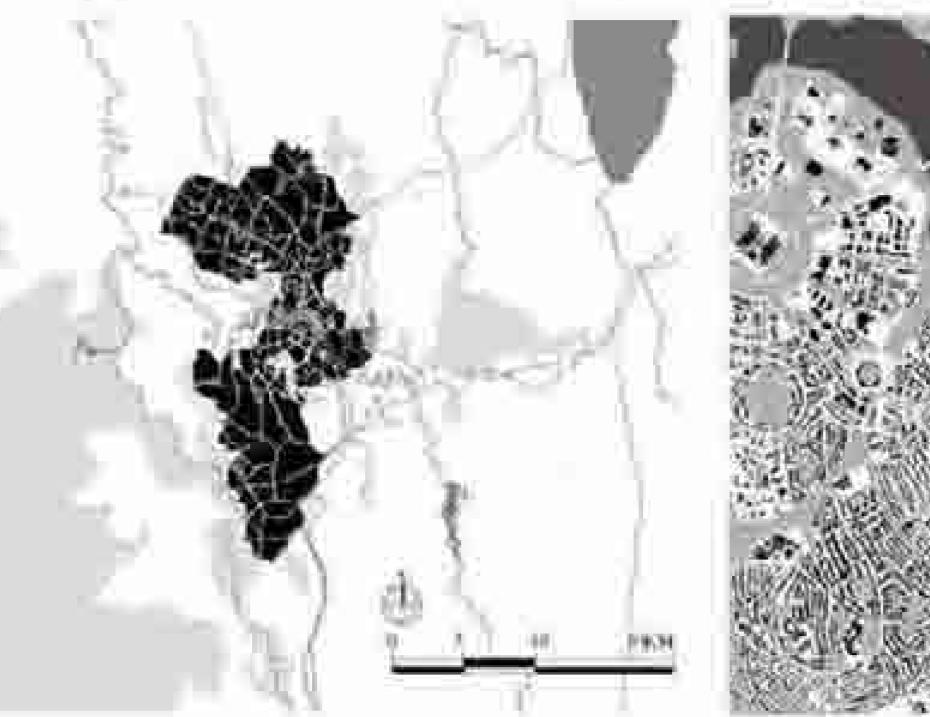
Di Wu, Lingjun Liu, Lyuyang Zhou

Date

2016.3

The site of the Jerrabomberra water town revival project is located east of Canberra. This area had grown and changed along with the development of the city. Jerrabomberra is a developing area within Canberra, with huge potential for residential development, commercial use, environmental conservation study and crucial current and furture transport routes. East Lake represents a history of industrial use, but lacks diversity and vitality. Thus the principle of this scheme is to revive East Lake. The vision for this scheme to develop a lively, high-density neigh- A lack of connectivity bourhood unit and provide a showcase for sustainable living in Canberra. It is anticipated that up to 12,800 residents will live in this newly established urban community which will emphasis sustainable living, high quality design, public interaction with natural characteristics and surroundings that have a unique sense of place.

Figure Ground Studies of Urban Morphology





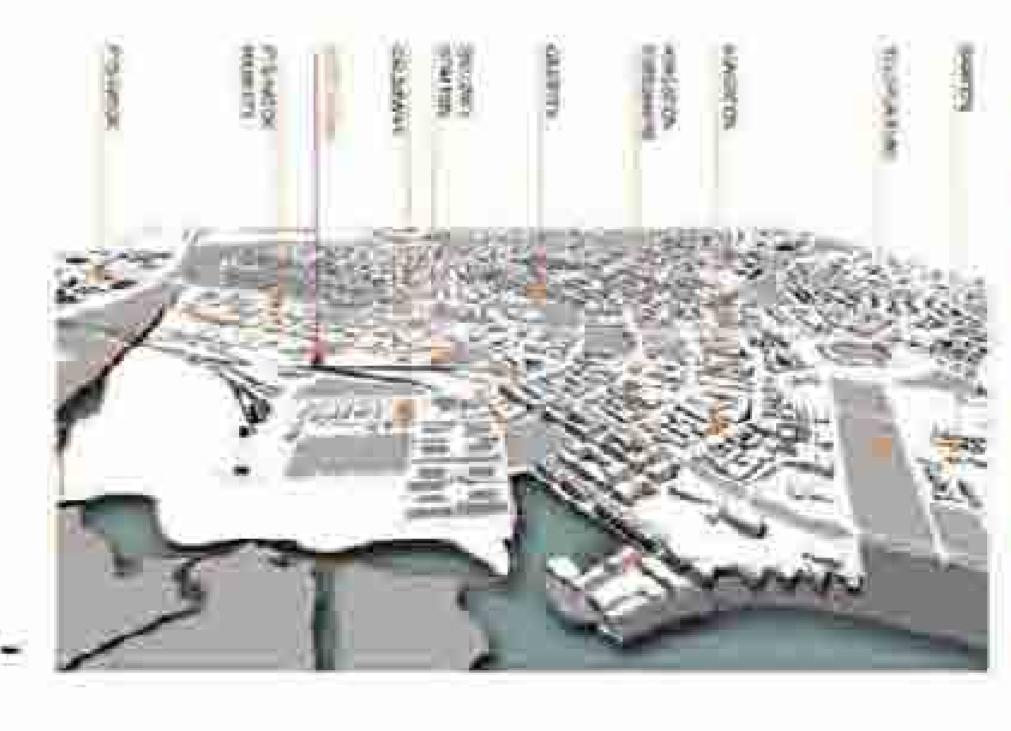
Urban District



Urban Blocks

Site Condition

Urban Region





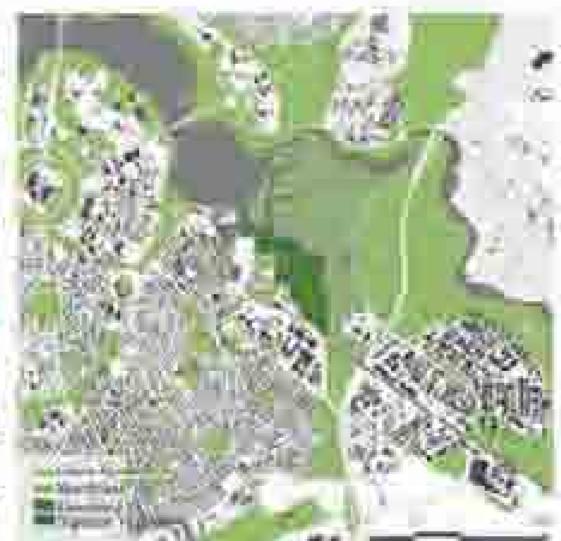


Lots of underused brownfields with low efficiency of railway station, and well protected Jerrabomberra Wetland

Existing Site Analysis









Transportation

Water System Underused brownfields site with poor water quality

Green Space Grassland edge to wet-lands with a lack of ecological value

Canberra 100 Years Flood Map



Momotonous Land Use





Water Pollution

Strategies



Increasing Diversity



& Cycling Network

A Lack of Connectivity

Incomplete Transportation



Aquatic Plants System WRAMS & Fyshwick Sewage System

Urban Design Framework



Perspectives



Bird's-eye View Looking South



Green Roofs Overlooking Wetlands

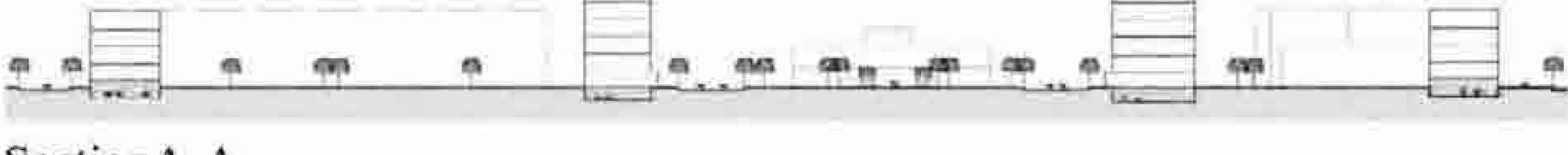


Green Roofs Overlooking Wetlands



Water's Edge in the Water Terraces

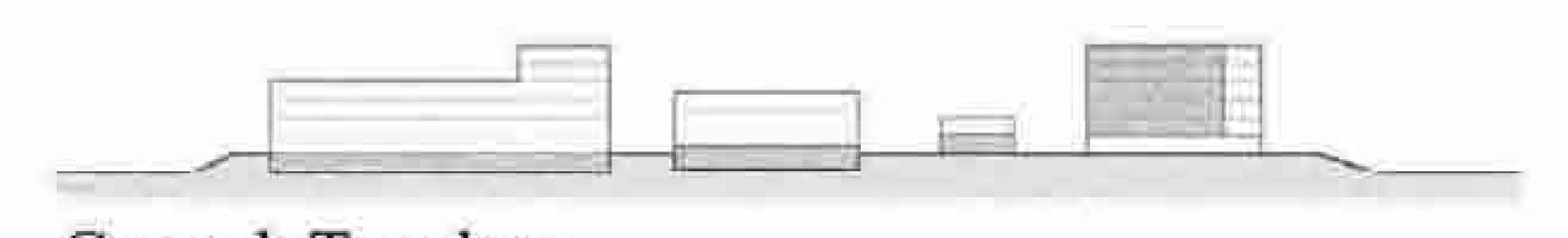
Plan Analysis



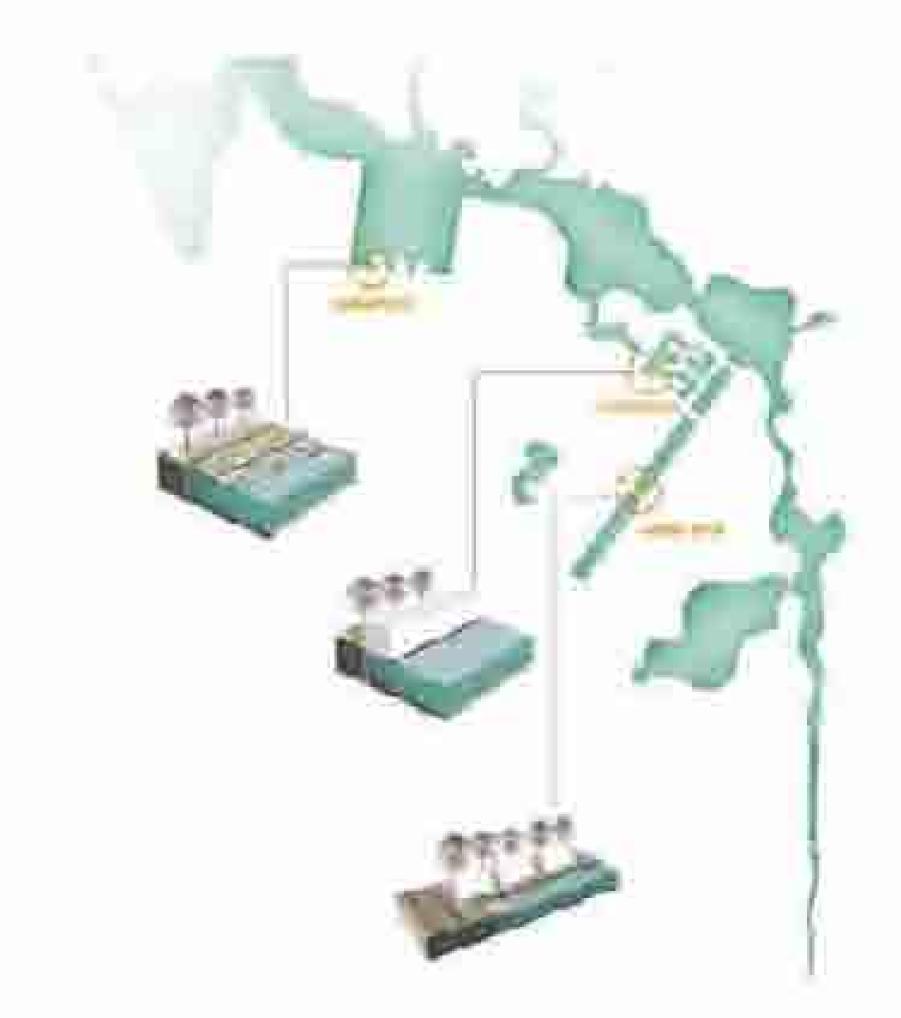
SectionA-A



SectionB-B



Carpark Typology



Water Interface

Bardwell Valley Park City

Sydney, Australia

Area

50 Hectares

Project Team

Di Wu, Dan Li, Shitao Ding

Date

2016.8

The study area is located in the former Rockdale Local Government Area, southwest of Sydney. The site is triangulated between the existing Arncliffe. Bardwell Park and Bexley North train stations. These stations are located beyond a 10 minute walking distance from the site. This area is considered to be a typical suburban setting of low residential density. The predominate urban built form consists of detached residential single and double storey houses on the edge of large golf course Built Type and landscaped natural valley. The hypothetical new M5 railway passes through this study area, mainly across the Bardwell Valley Golf Course.



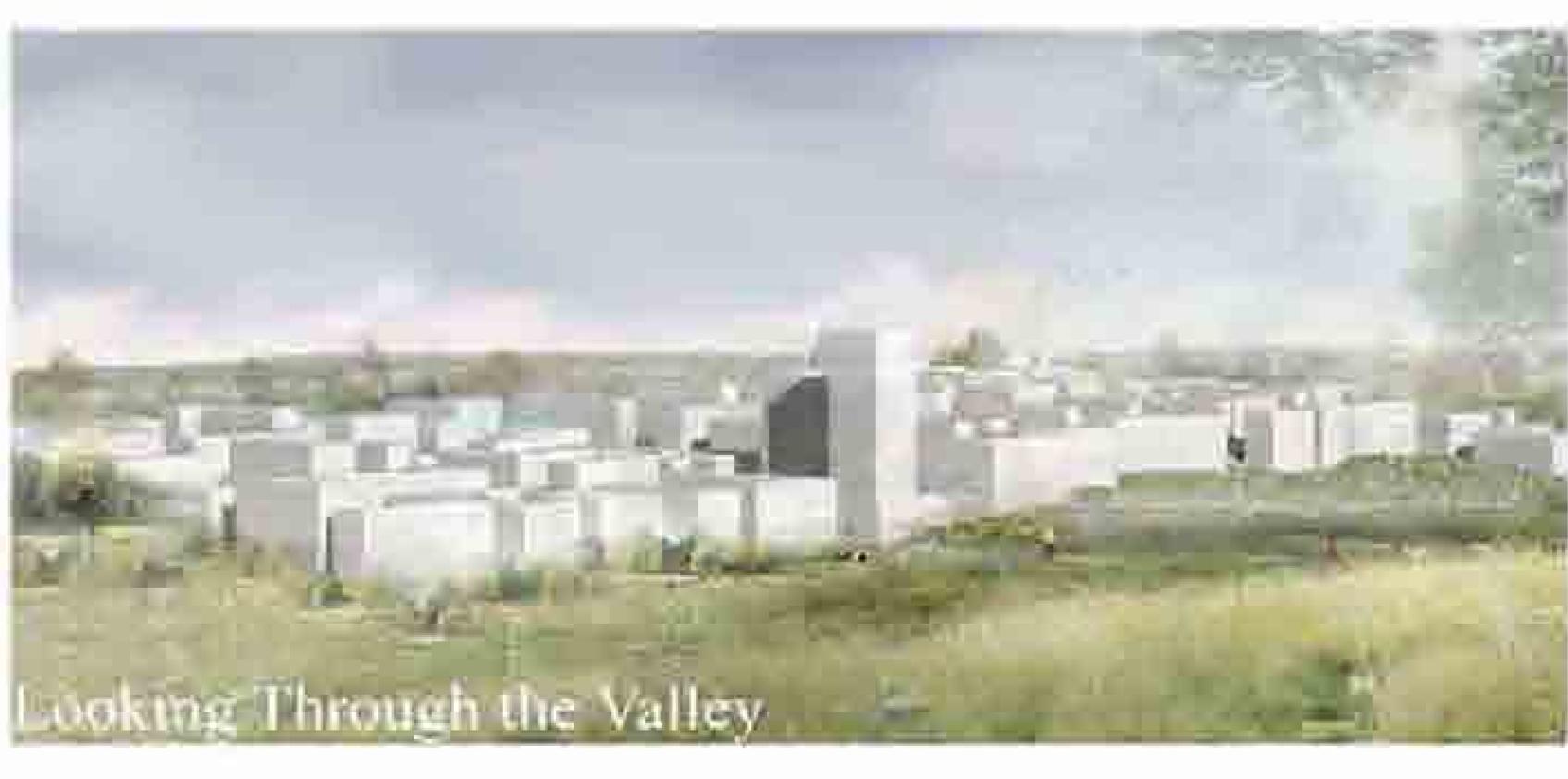
Poor Facilities Community Services

Urban Design Framework



Perspectives







Design Elements

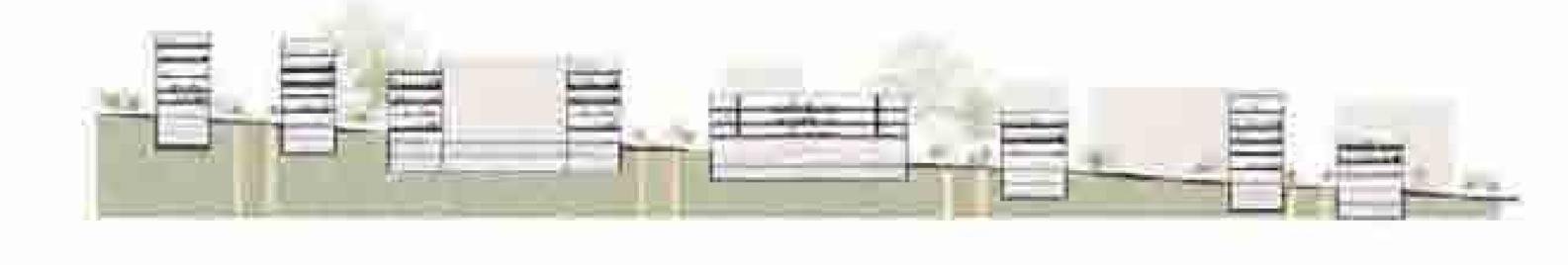


Building Type



Street Section

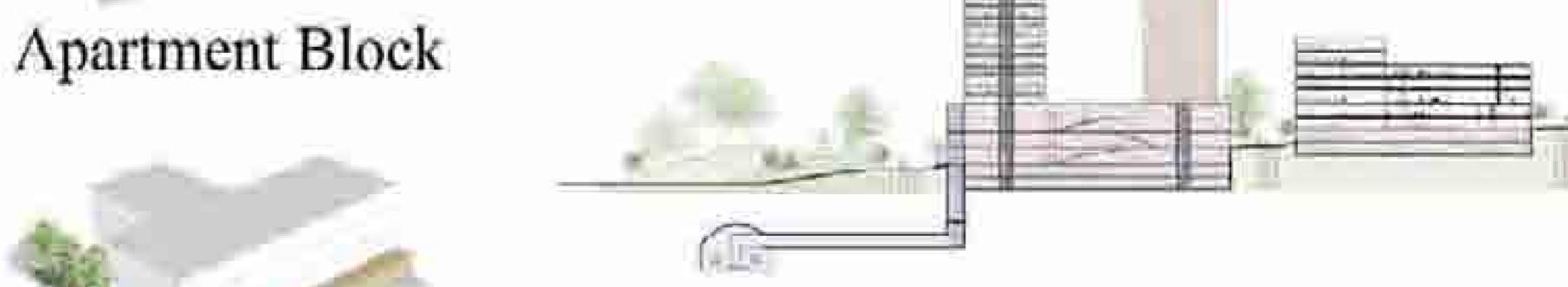
Section A-A'

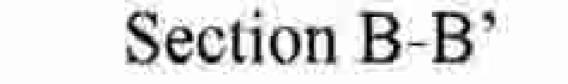


Courtyard House











Shop Top Apartment



Perimeter Block

well Valley scheme is to create a walkable, liveable, ecological community and provide a showcase of sustainable and ecological living with natural green space in which local residents can enjoy a convenient and rich social life here. Population structure could change as a result of the scheme, where a more younger population is envisionaged to be attracted to settle on the subject site encouraging greater community vitality and diversity. Central to the scheme is the creation of a public park. The previous private golf course will be transformed into a new public green space. This park has a high quality of landscape using the original terrain. The plan also creates a local centre. A new local centre would be placed above the proposed Metro station of the new M5 serving passengers and local residents. It is taken as a focal point for high density development. Finally, a redesigned road network is required.

The overall vision for the Bard-

Hudson Boulevard & Hell's

Kitchen

New York City, United States

Area

67.8 Hectares

Project Team

Di Wu, Chenyang Bai, Shitao Ding,

WenxiaoYan

Date

2016.12

This studio was an investigation of a major urban project contributing to the New York City skyline. The studio engaged with International architectural firm Kohn Pedersen Fox Associates (KPF) through an intensive program over a 3 week period. The program was to explore the interrelationship of the Hudson Yards air rights development with the surrounding neighbourhoods of Midtown West, Manhattan.

This site is located in the Hudson Yards redevelopment area. It also belongs to Manhattan's Hell's Kitchen South, a neighbourhood bounded by 33rd and 42nd Streets, 9th Avenue and the 11th Avenue. Hell's Kitchen, is a 100-year-old residential community in midtown Manhattan. It is home to a vibrant community with lofts, apartments, tenements, traditional cateries and specialty markets, small manufacturers and businesses. For the people who have lived and worked in this community for generations and for more recent arrivals, the area has man of the ingredients for a well-scaled urban neighbourhood.

Site Location



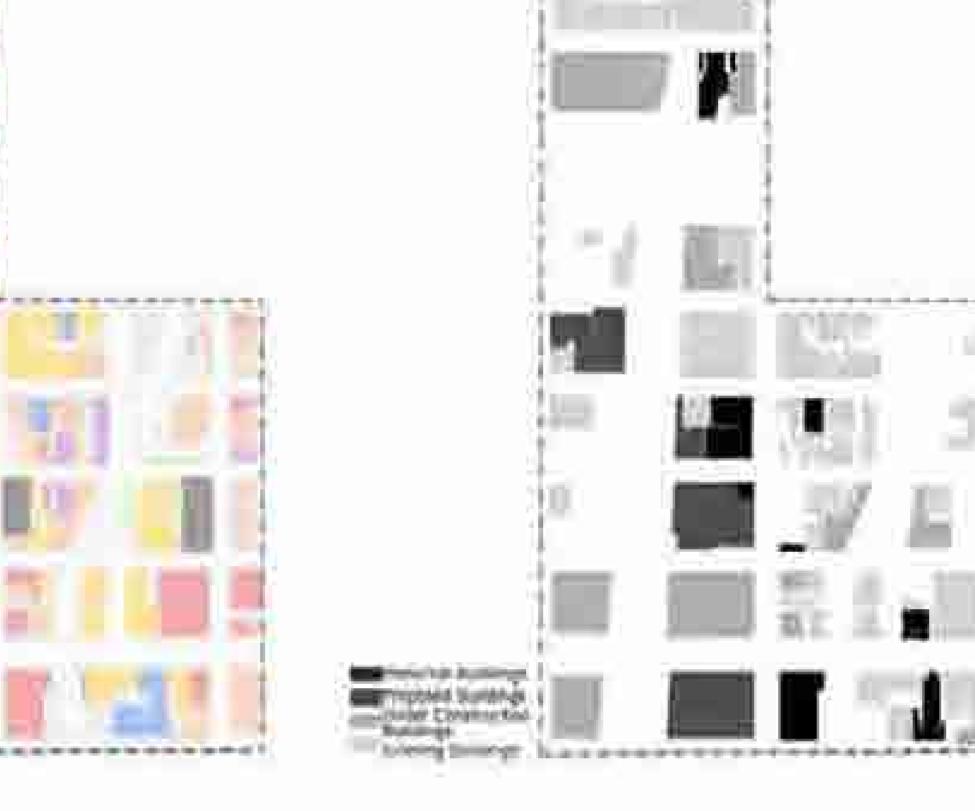


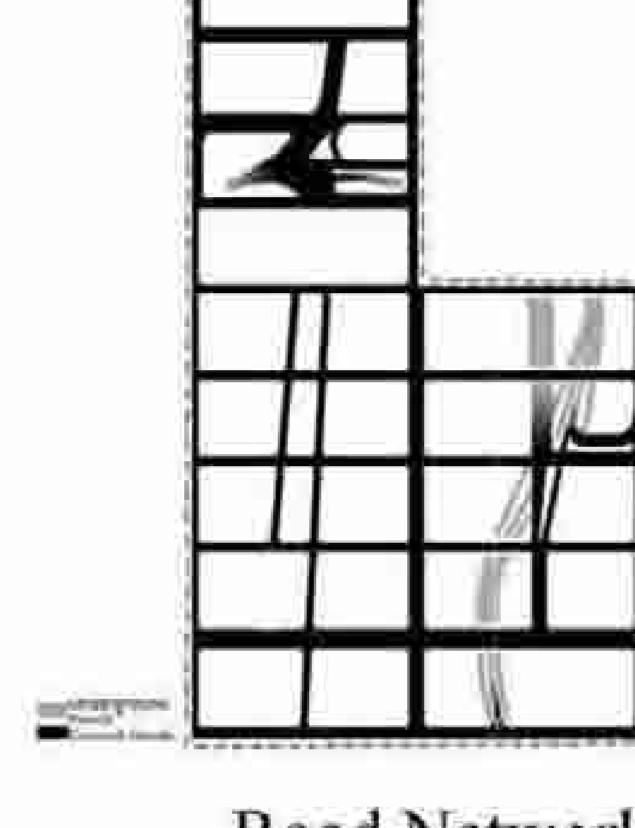
Midtown West, Manhattan

Hudson Yards Redevelopment Area

Site Analysis







Land Use

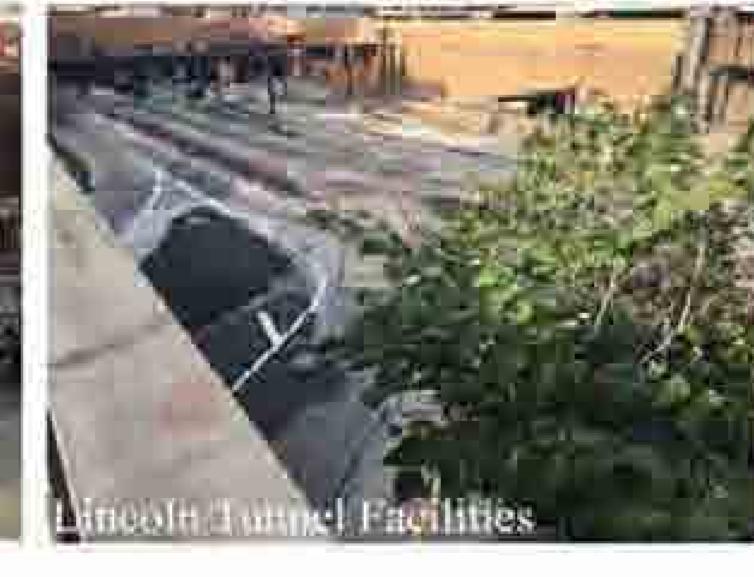
Building Type

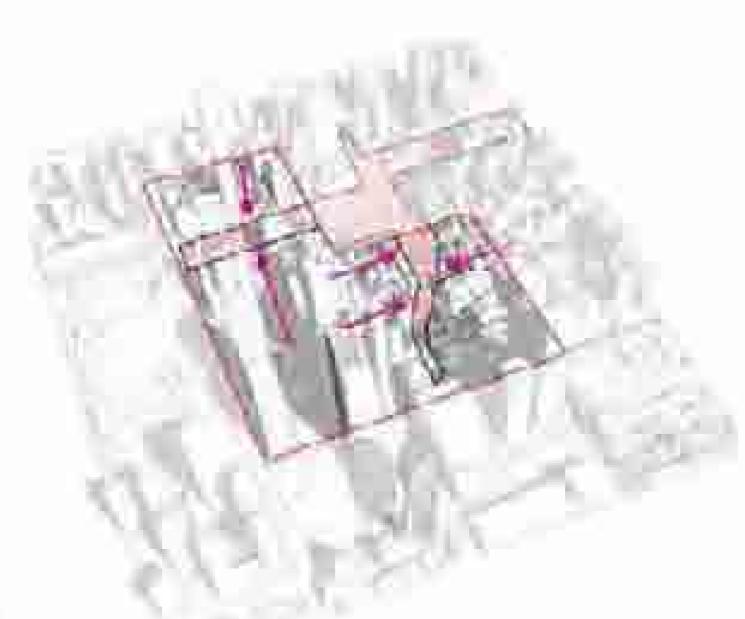
Road Network

Existing Condition

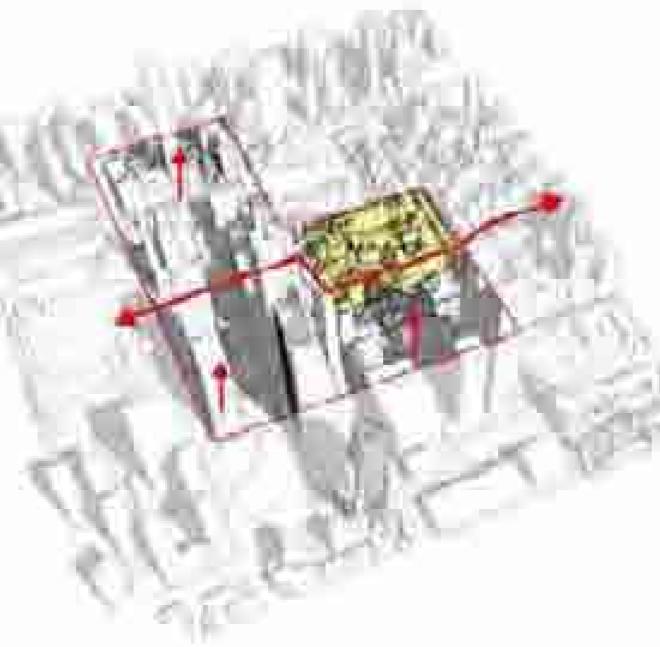




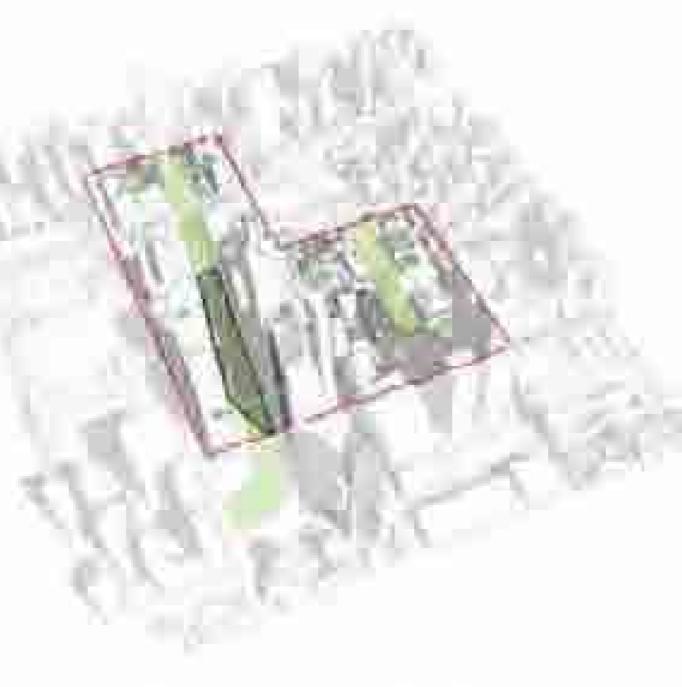




A Lack of Connectivity

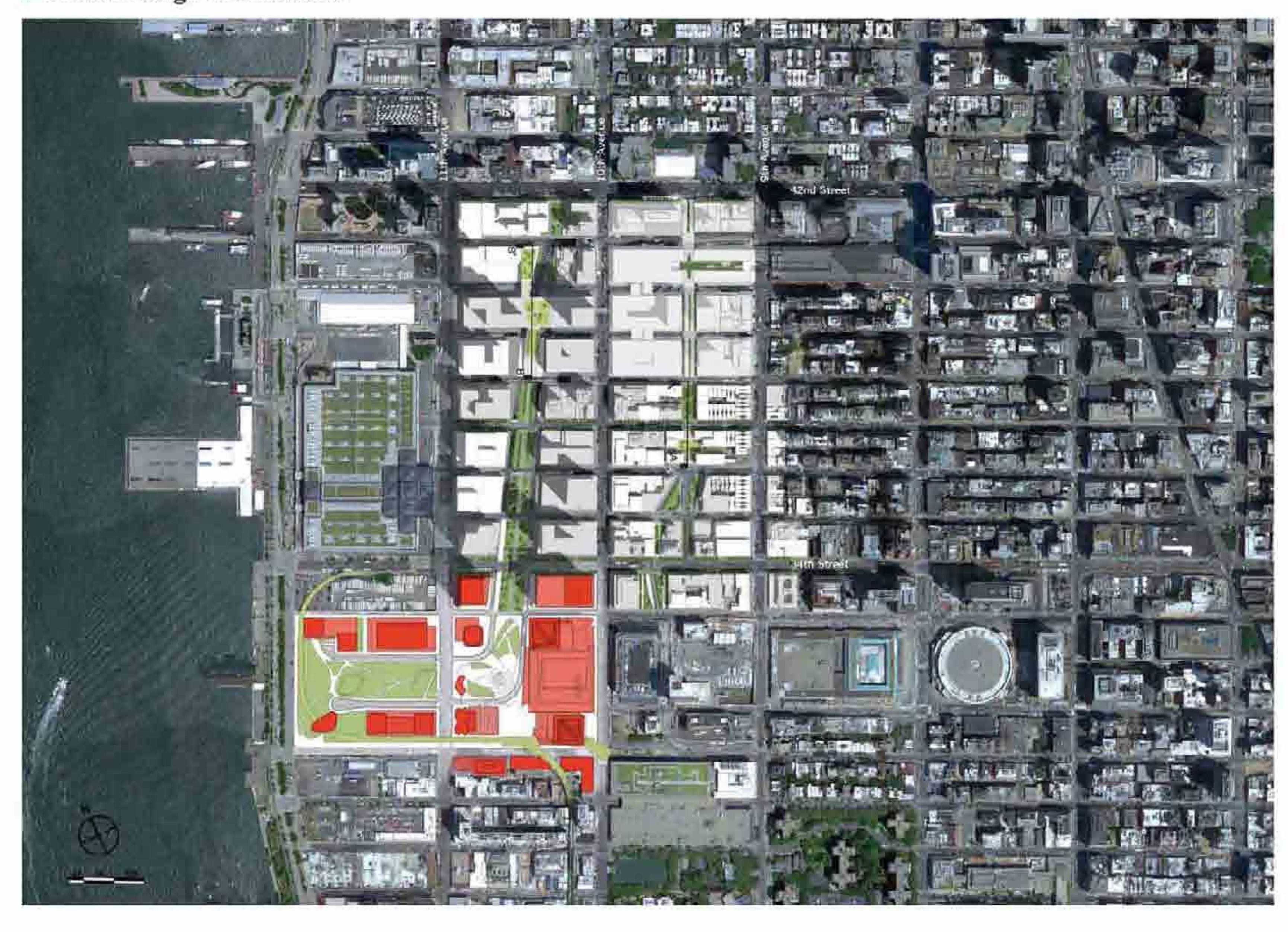


Development Challenge (FAR Limitation)



A Lack of Open Space System

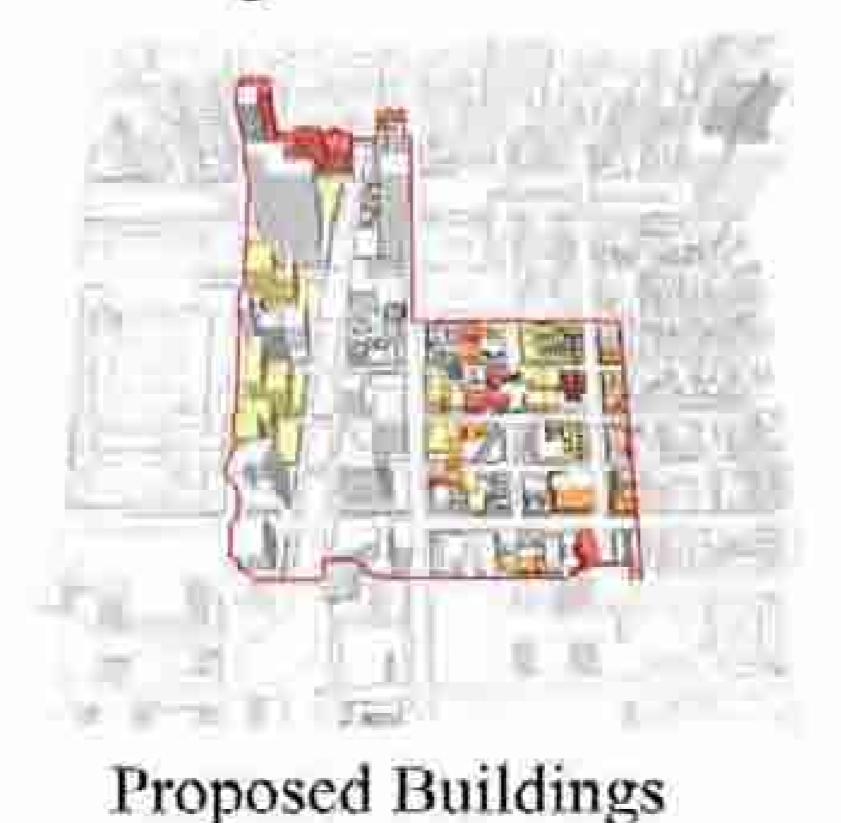
Urban Design Framework

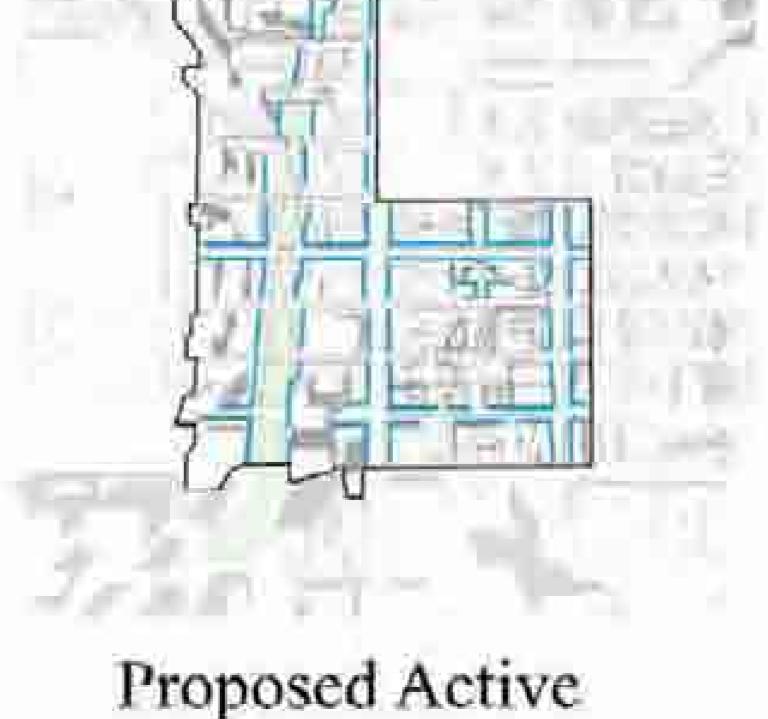


VISION

Enhance and revive the Hell's Kitchen neighbourhood identity. Encourage new investments while preserving the historic physical fabric and local community, creating an integrated open space network connecting to the historic community and surrounding districts, improving the living and street quality.

Design Elements

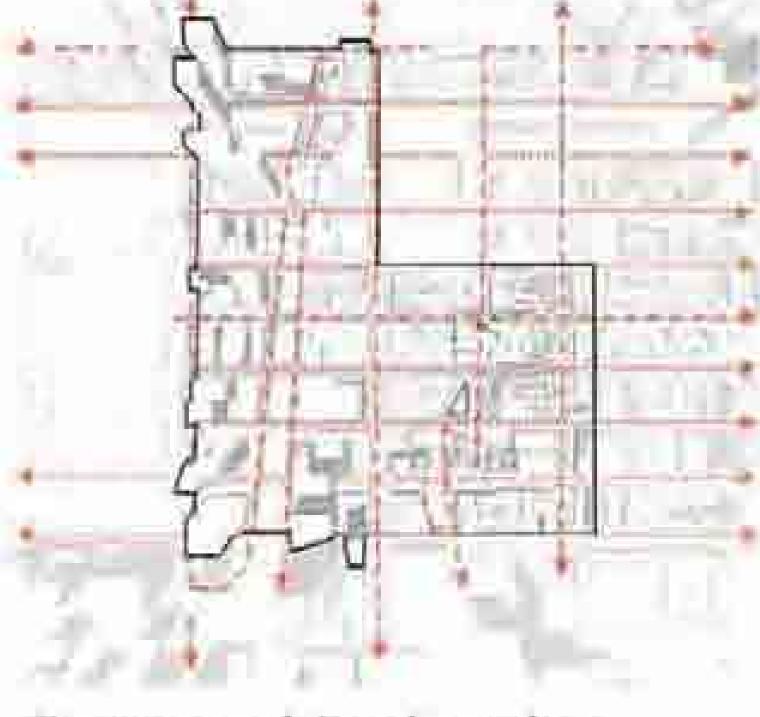




Srteet Frontages



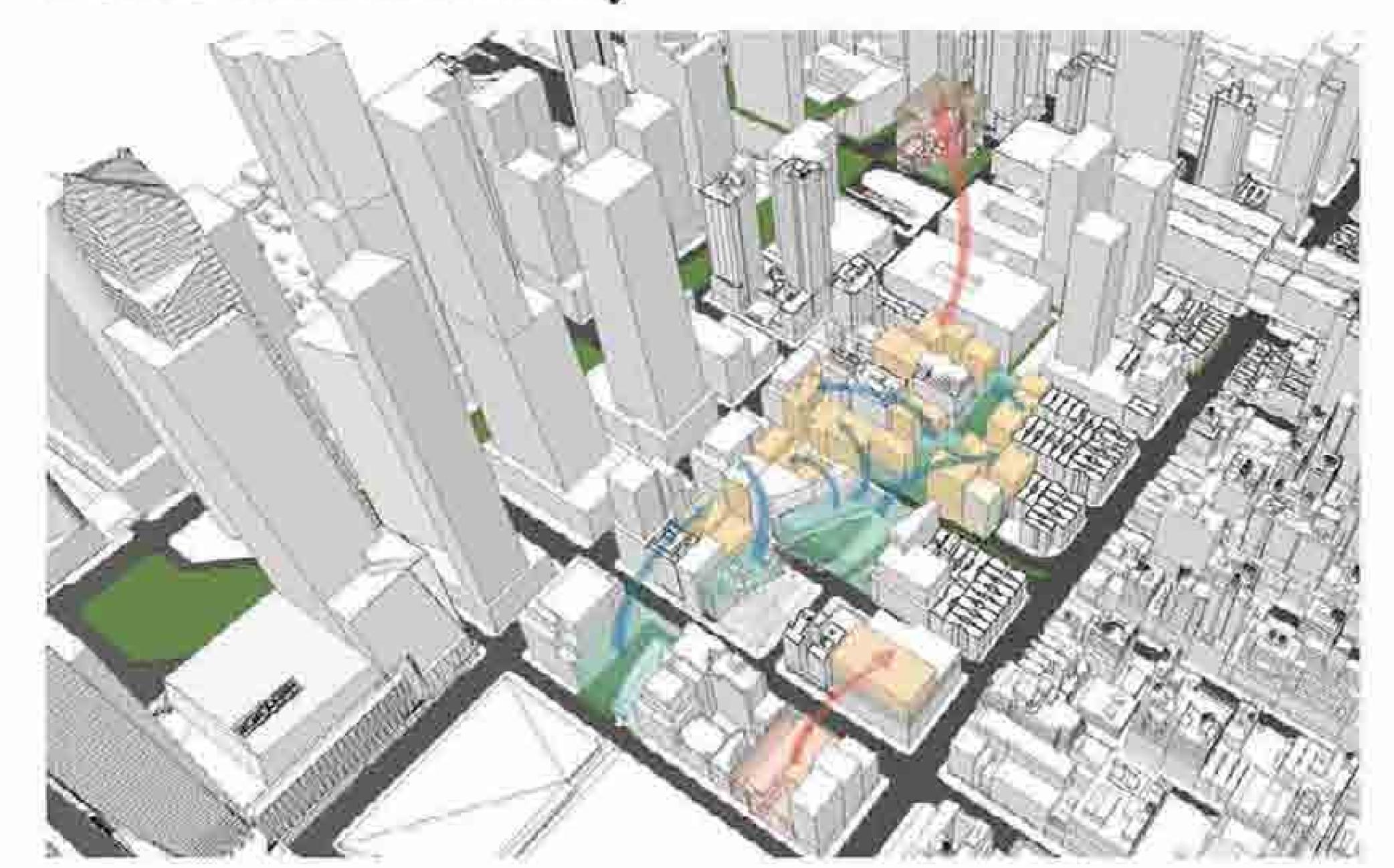




Proposed Open Space

Proposed Pedestrian Connectivity&Movement

Urban Rules-Affordability



Air Rights Transfer Analysis

New Edykii (ičtins Additions Requesiopiment

Affordable Housing Program

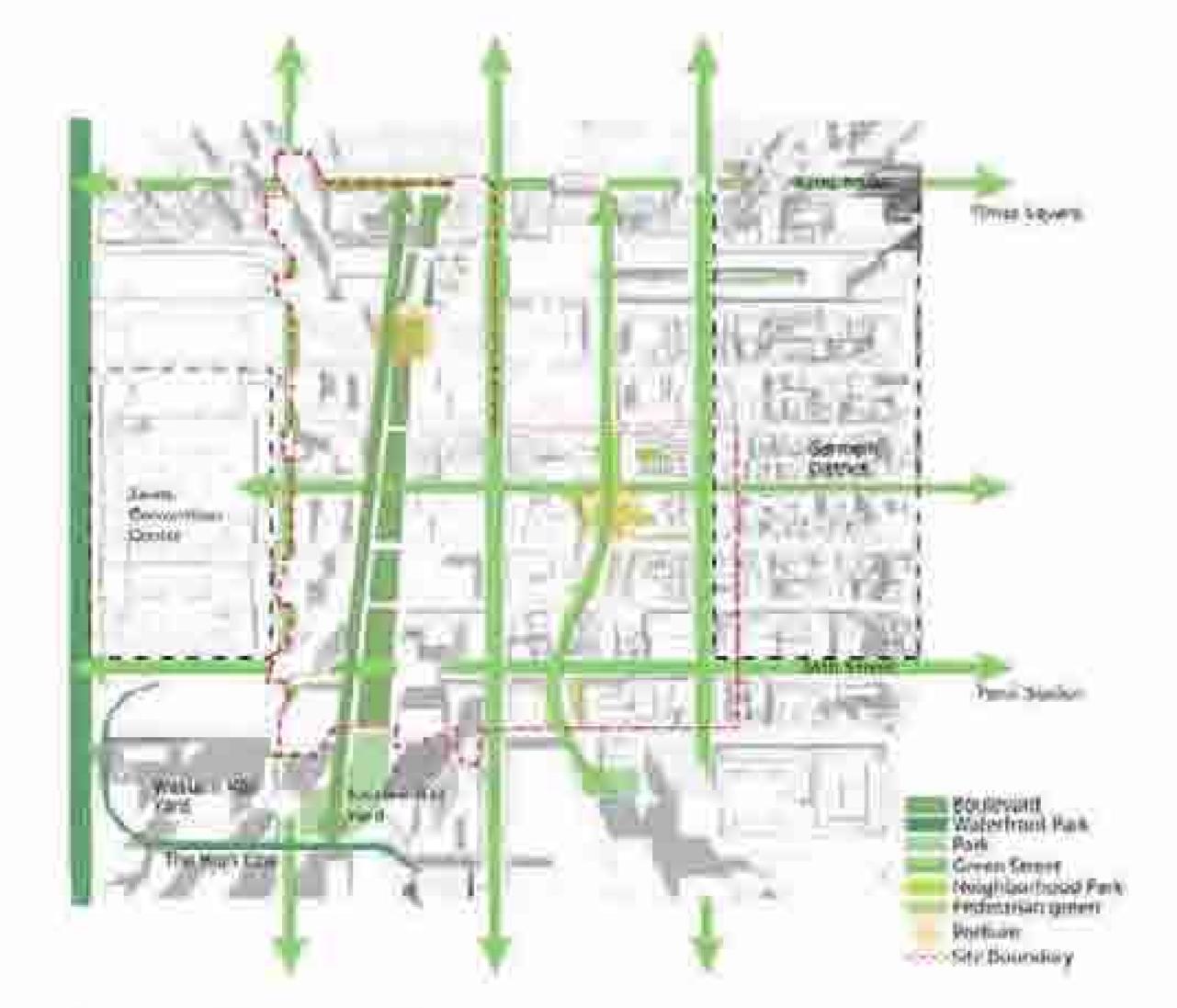
Urban Rules-Quality



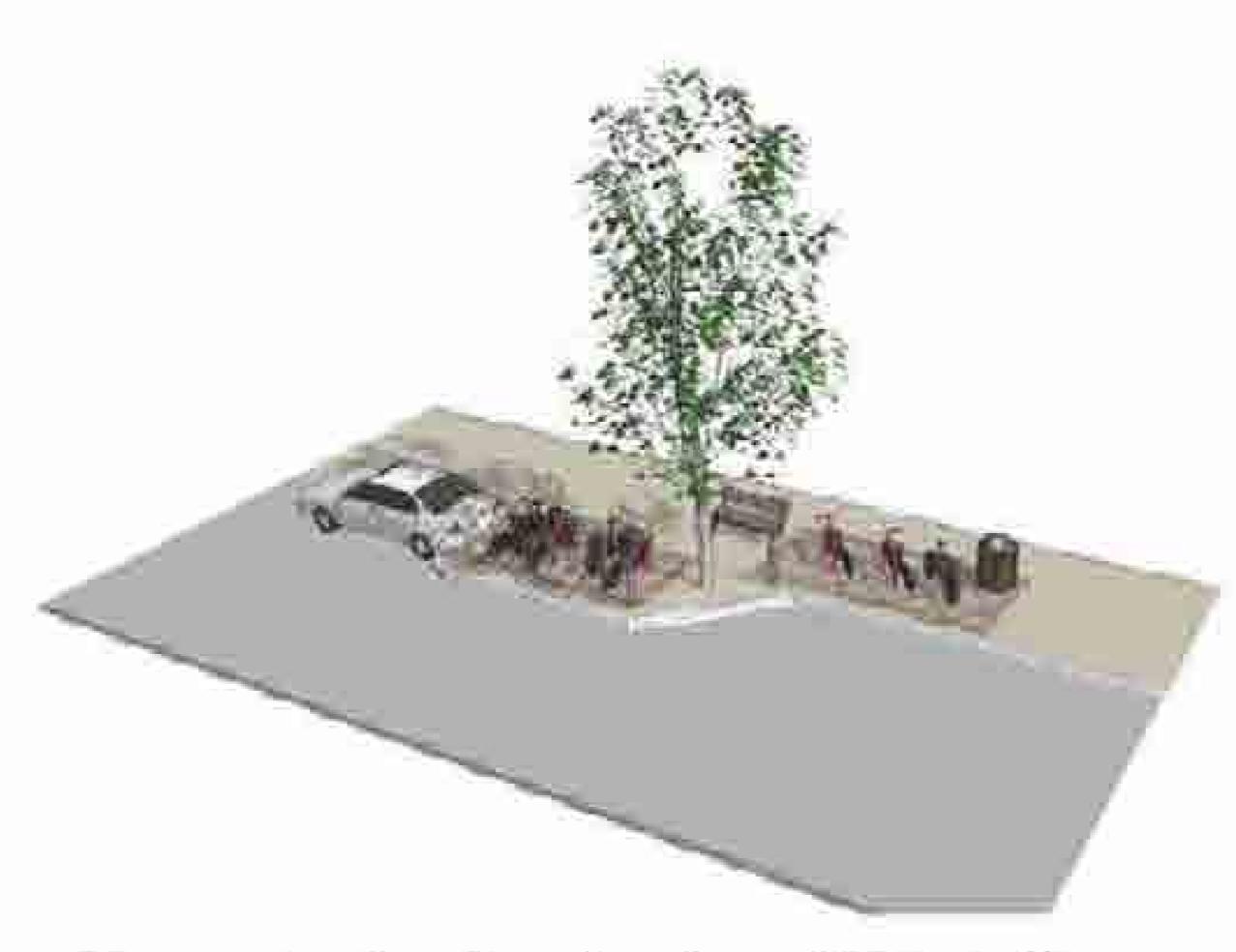
Street View of 9th Avenue Looking South



Street Furniture and Street Tree Program



Open Space System



Street Design for Cycle and Disability

Perspectives



Bird's-Eye View Looking West to Hudson River



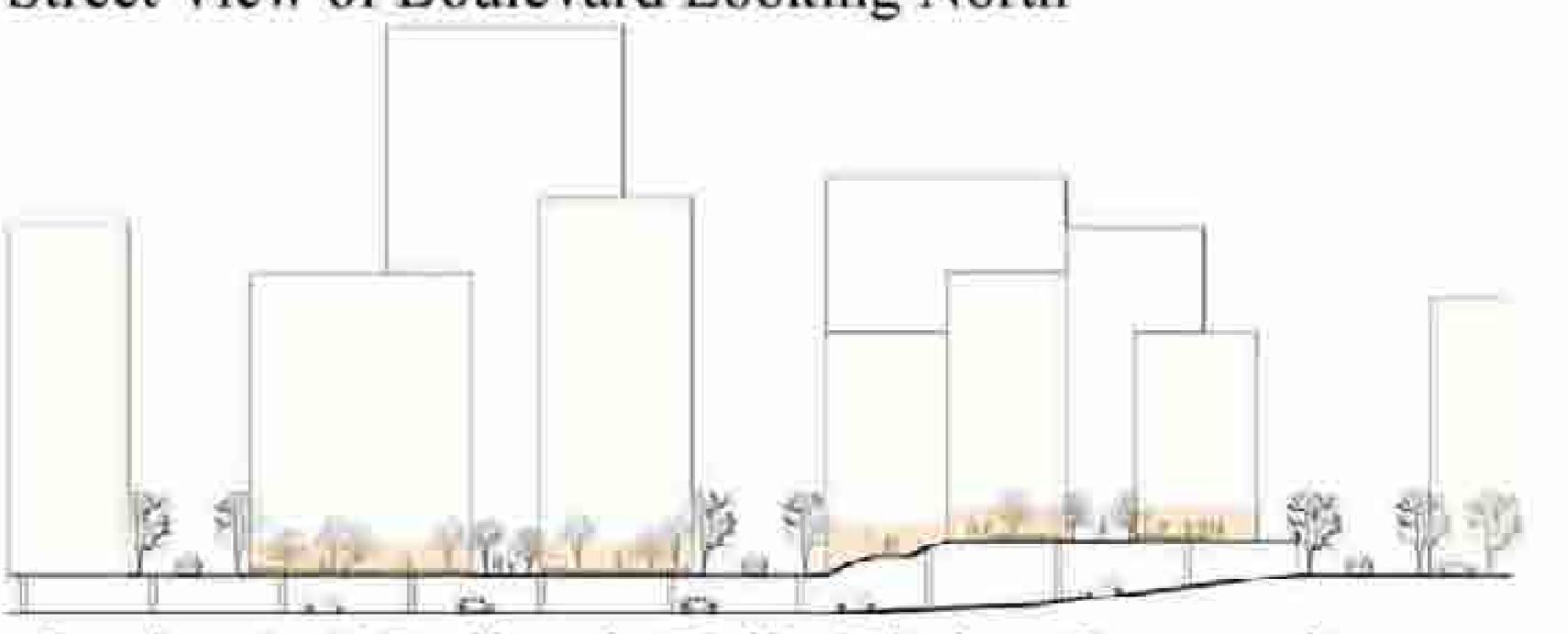
Aerial View of Boulevard Looking North



Skyline of 9th Avenue



Street View of Boulevard Looking North



Section A-A' Podium in Hell's Kitchen Community

Landscape Design

Shougang Industrial Heritage

Park

Beijing, China

Area

51.8 Hectares

Project Team

Di Wu, Chang Liu, Xi Zhou

Date

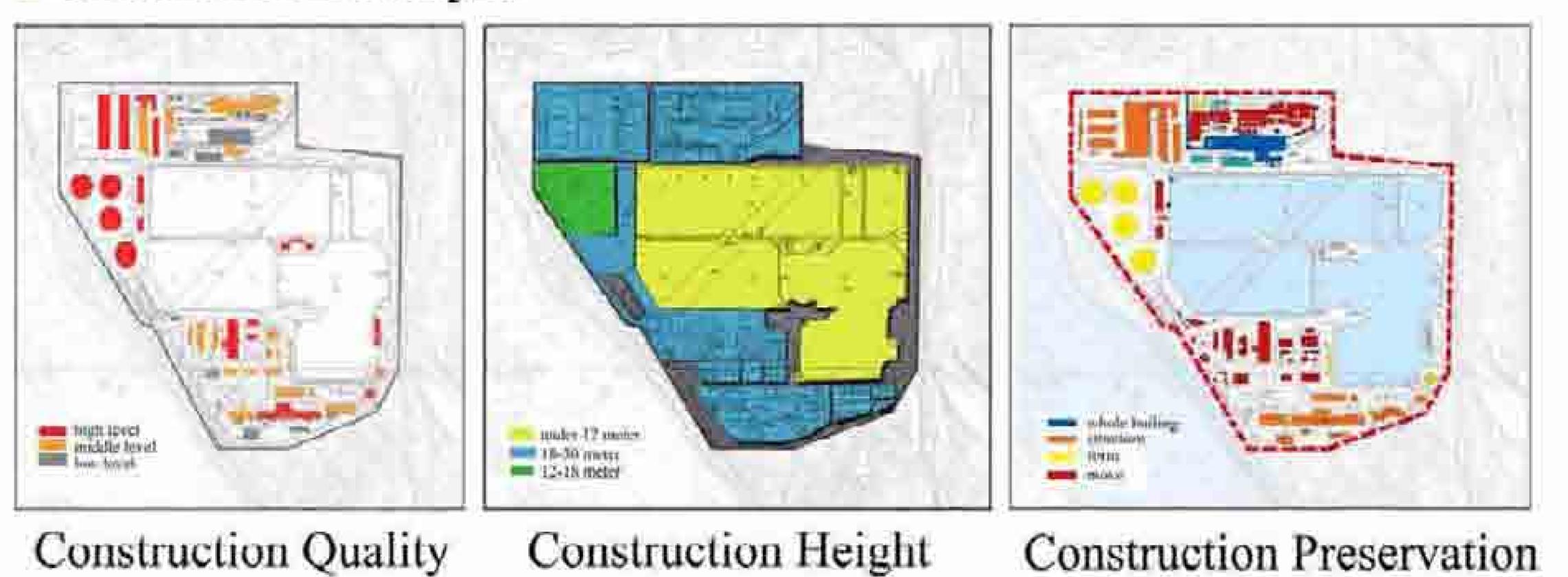
2009.7

The cooling pond garden is located at the Shougang group industrial park. In 1919 AD the industrial park was put in Beijing, and after 80 years the government considered to move it to another area due to industrial adjustment and pollution issue. Because of the industrial manufacture moving out, the function of construction was diminished. Therefore, in order to revive this area to the public, this project aims to protect the industrial heritage and also redefine the new function.

Location

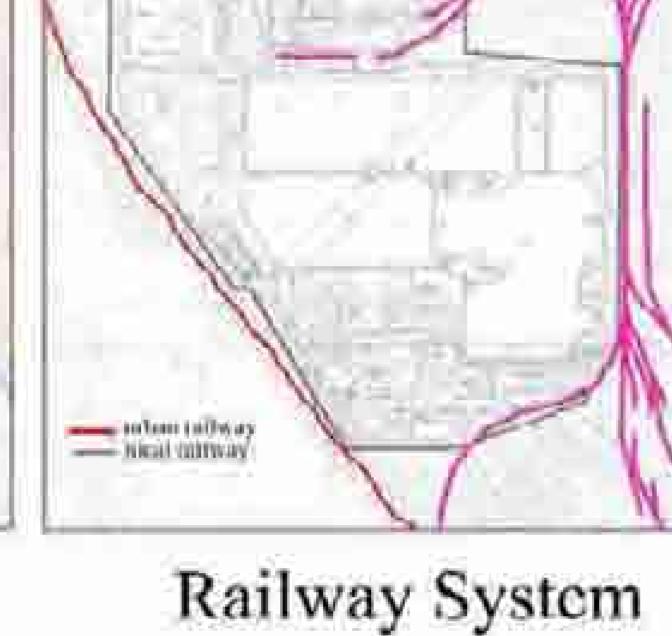


Construction Analysis



Road System Analysis





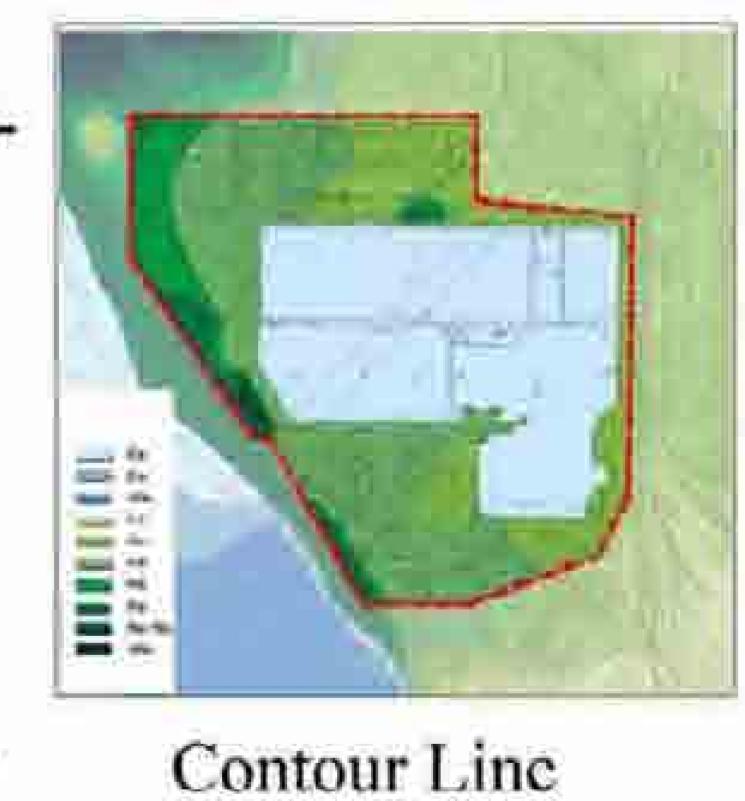




Present Situation

Landscape Analysis

Road System



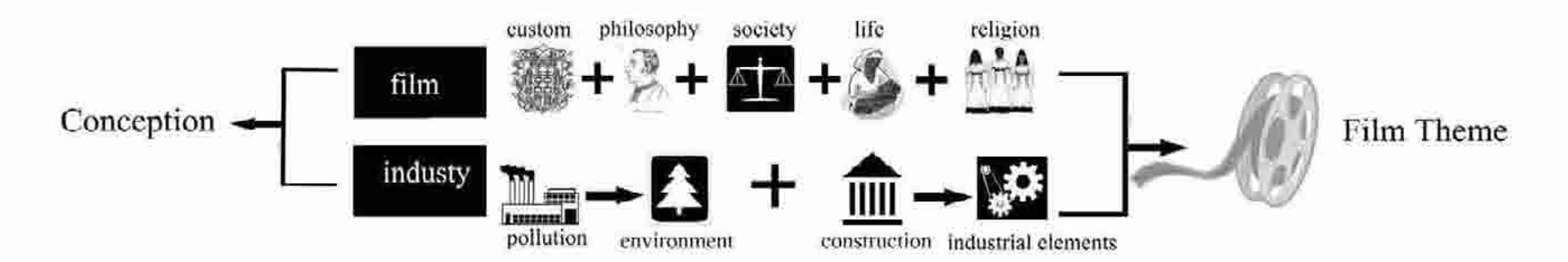




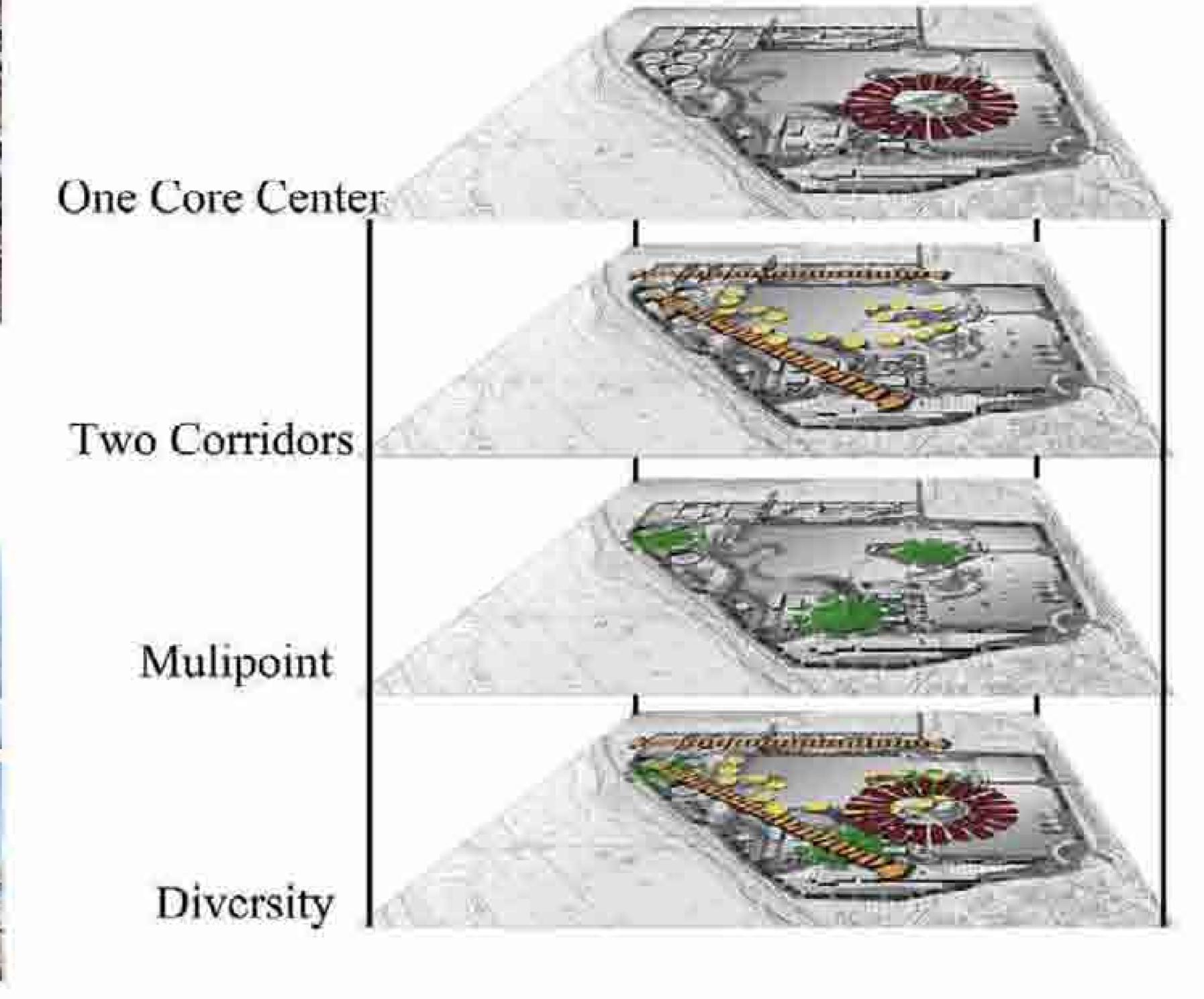


Vegetation Present Situation

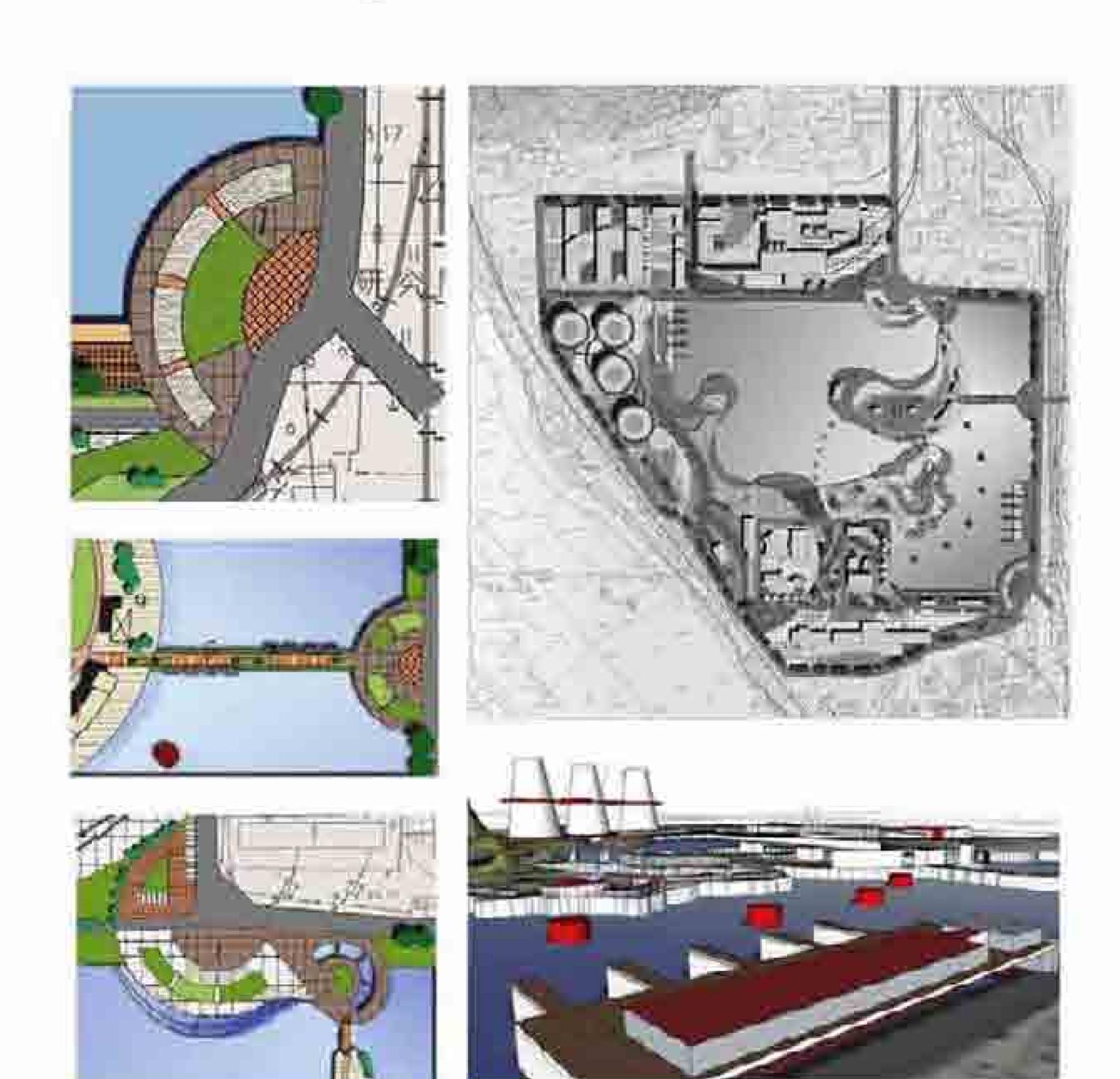
Intention



Planning Structure

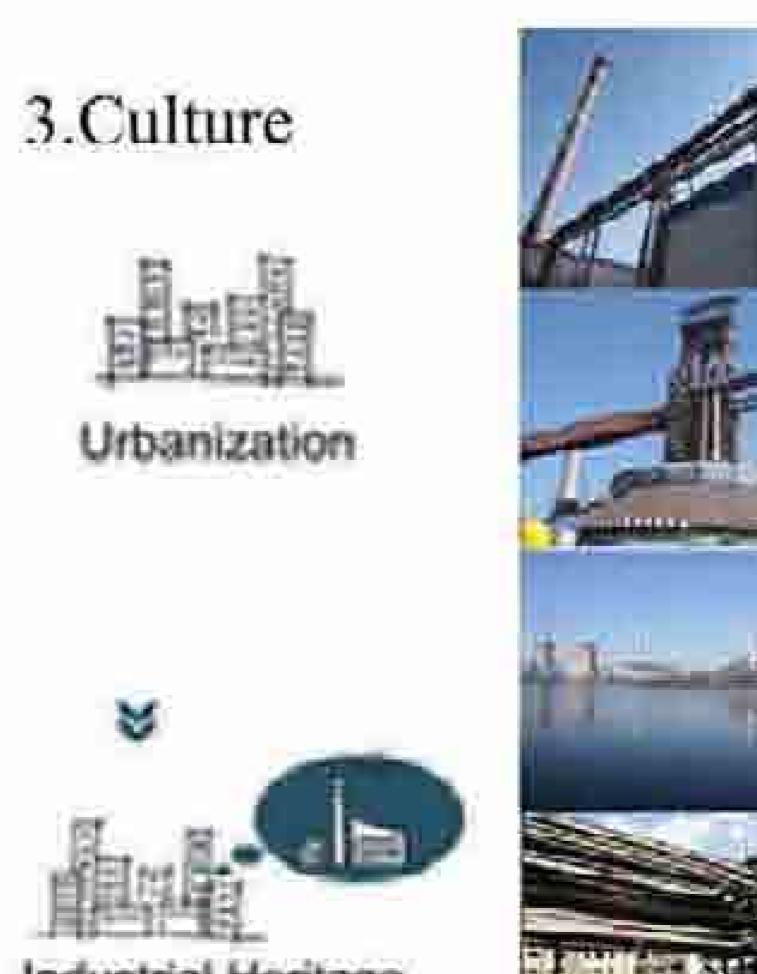


Entrance Square

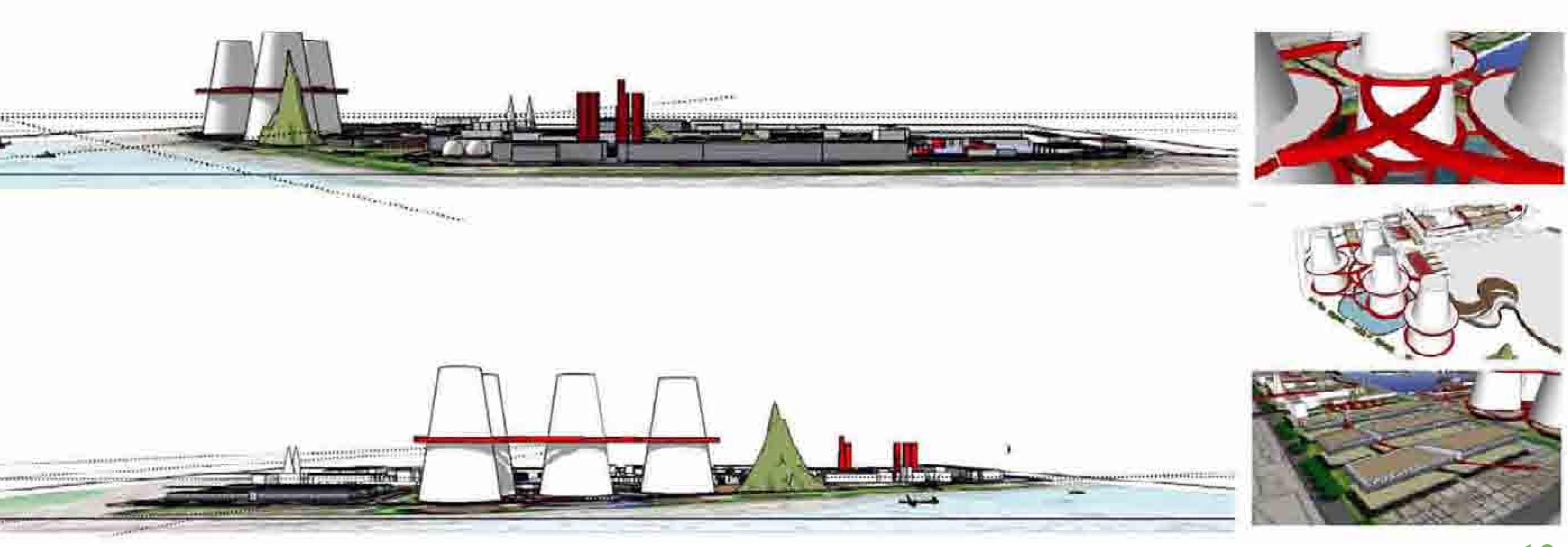


Problem Analysis





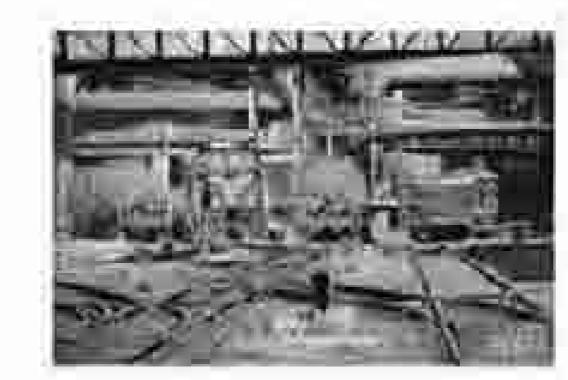












Film exhibition zone

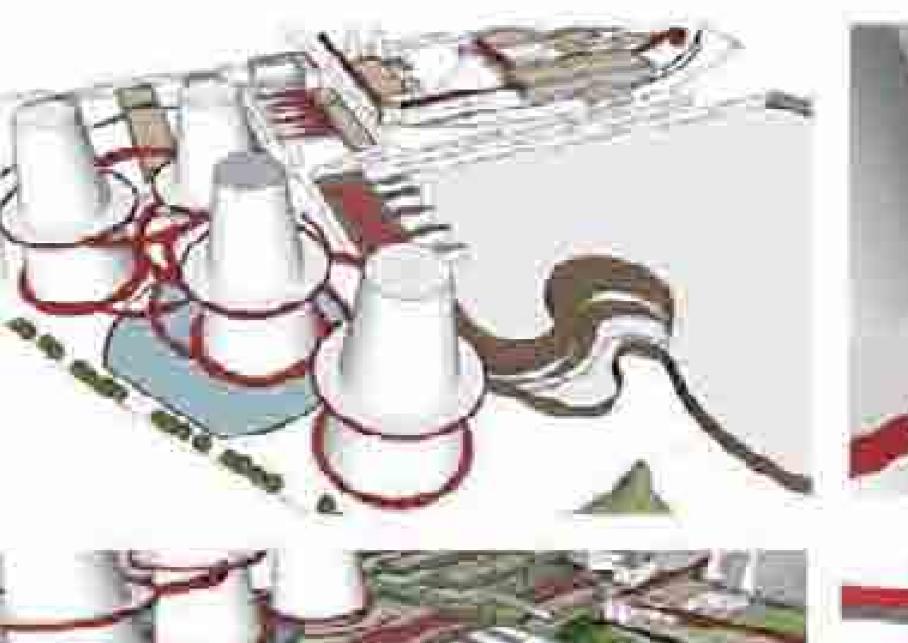
Keep the power plant constructions as an exhibition center to the public to tell the history of the



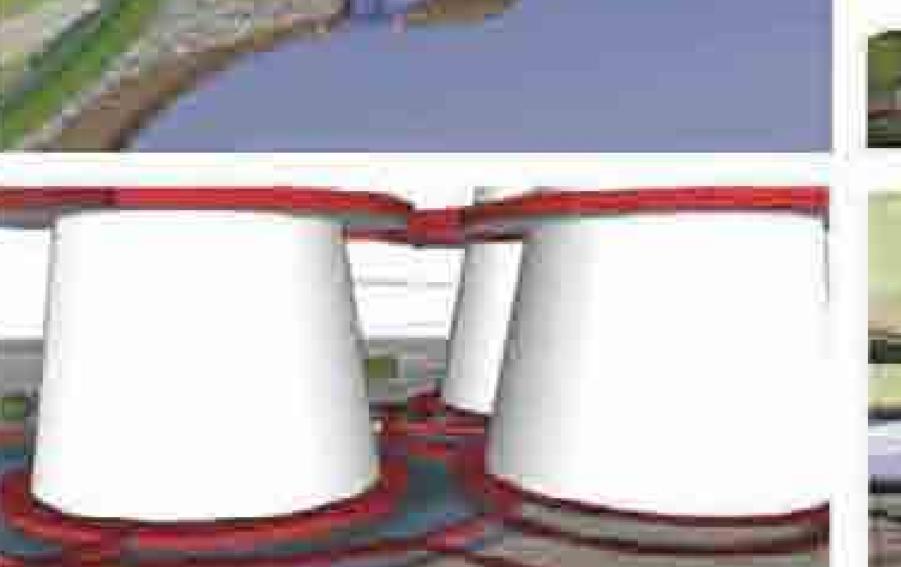


Fiction theme zonne

Reform the existing cooling towers as fictiotheme zone and playground for extreme sports.











Disaster island

Remove all the poor quality buildings and rebuild this area to change the function to the service center and disaster interactive area.























The science and technology incu- Location bators center and official administration center design

Zhaoyuan, Shandong, China

Area

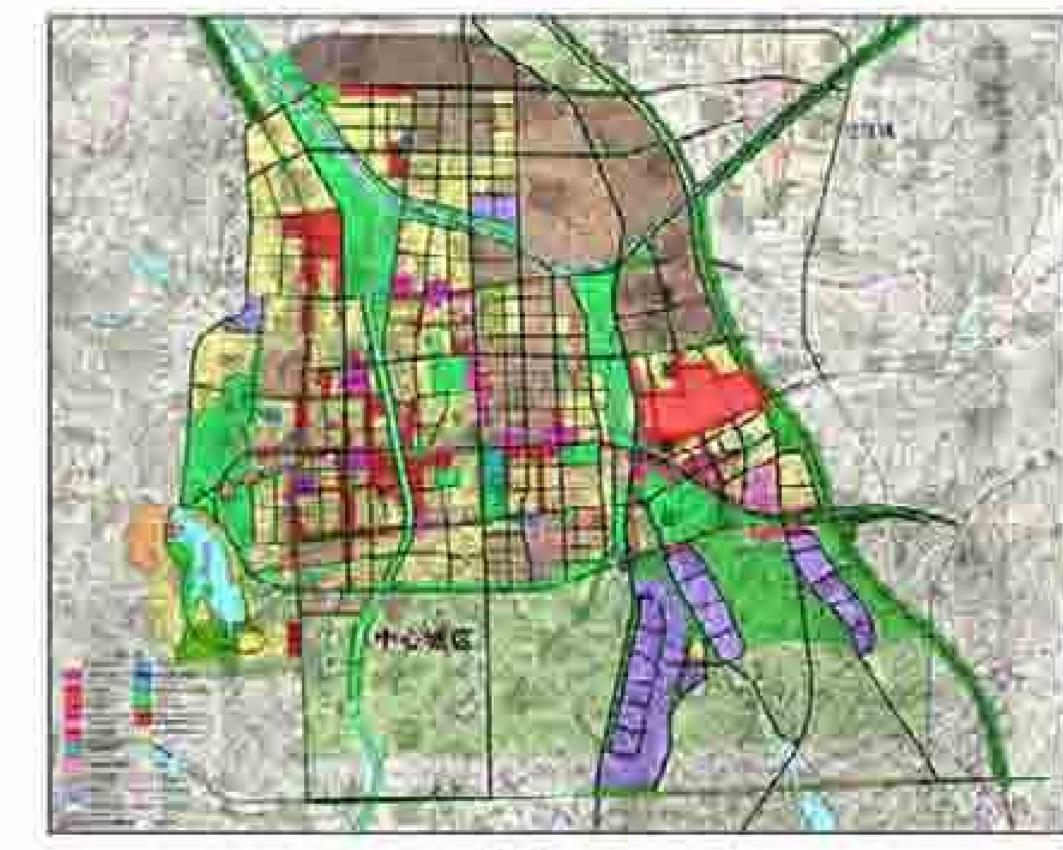
66.7 Hectares

Date

2011.7

From the research of planning and design of the science and technology incubators center and official administration buildings such as: Public Security Bureau, procuratorate and the court for ZhaoYuan city in Shandong province.It acquires more profound knowledge about how to contribute a new urban district, and with the development of city, the need for ecological environment has attracted more attention which has been taken into prior consideration, especially in the process of a new urban area construction. In the research of creating a more comfortable and pleasant environment for science and technology researching and working, it has been regarded as important as the city park which is considered as the core of the program. It would have potencial to contribute a "Garden City" of Shandong province.





Site

Background



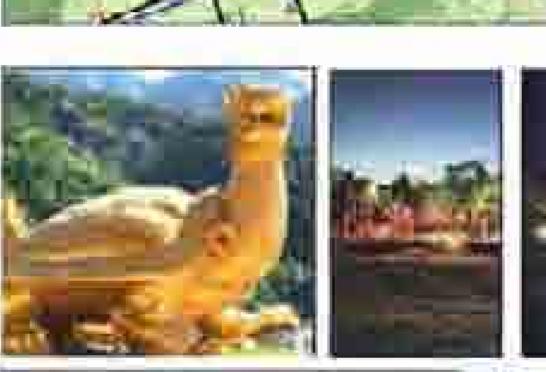
Zhaoyuan is considered to the golden city



Project is located at the ne development zone



Current situation of land use is farm land









City Image

Conception



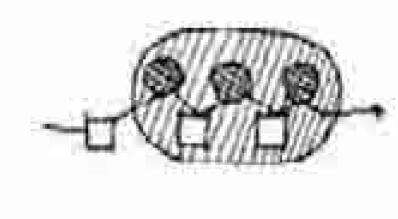
Problem

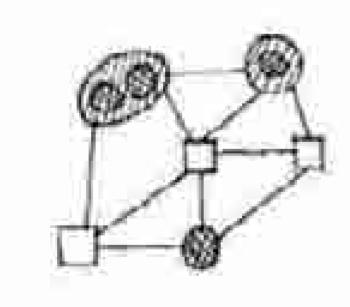




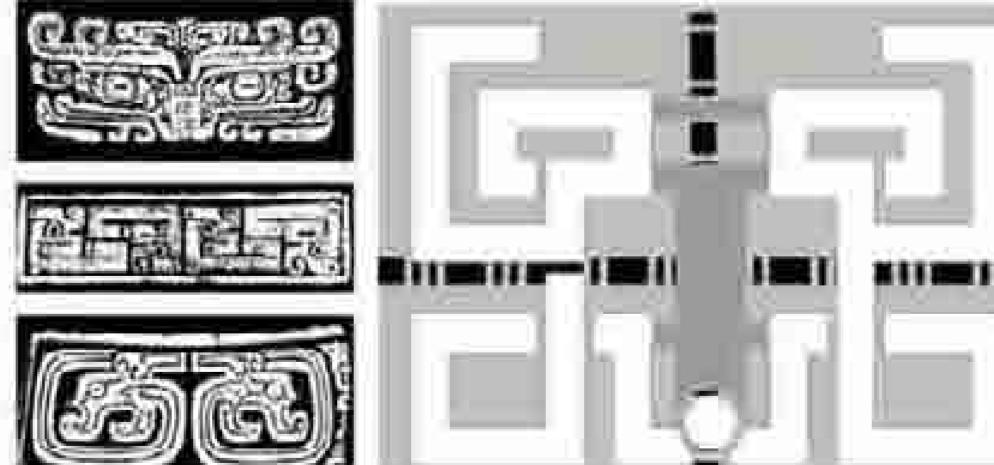
Solution

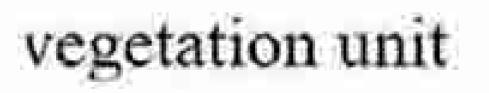
1. Ecological Priority

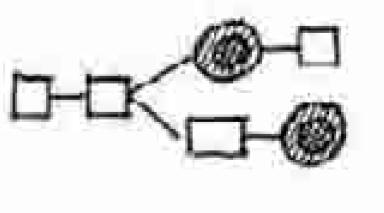


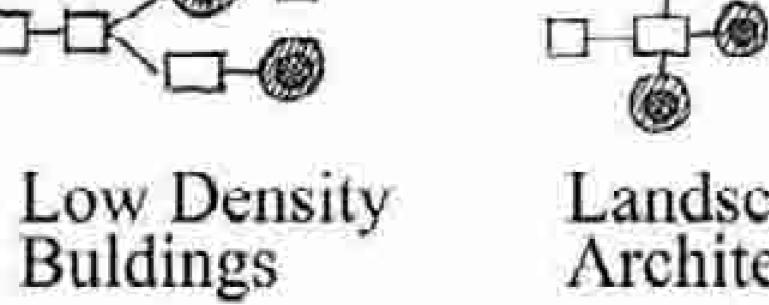




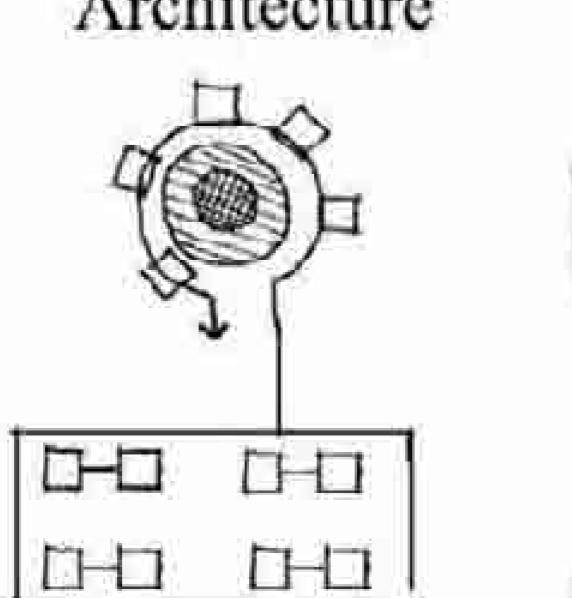




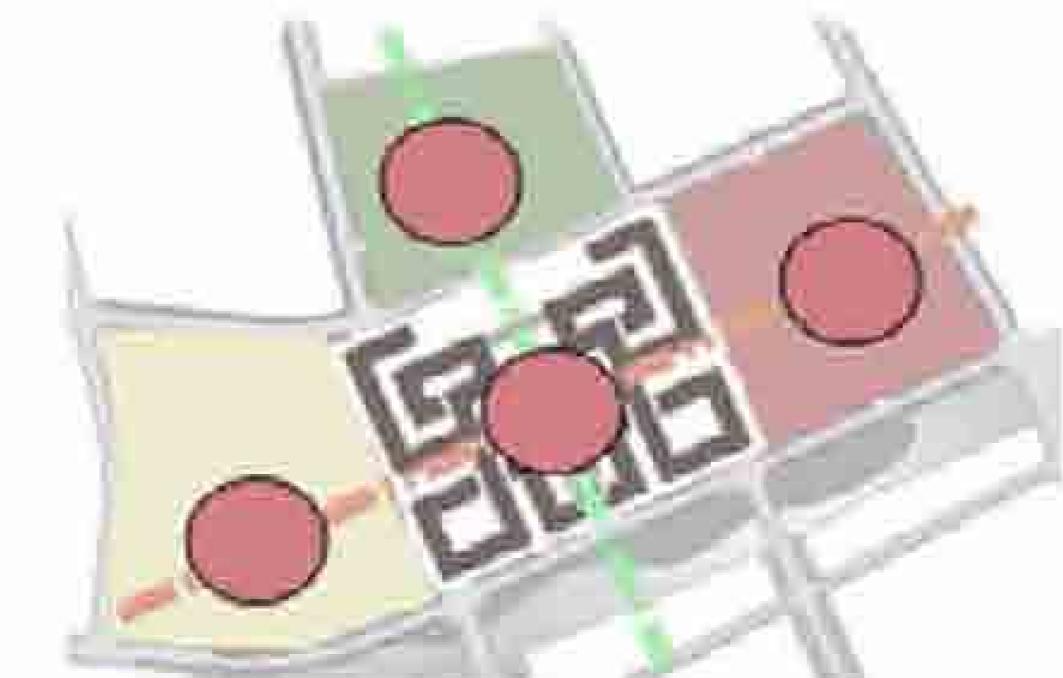








2.Eco-Park





5. Public security

6.Court

bureau

7. Adminstrate complex building

8.Exhibition hall

9.Science museum

10.Cultural center

11.Service center

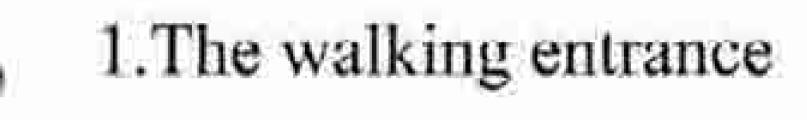
Details Analysis Structure Transportation Greening





focus on river system design, river bank protection, mountain recovering and various vegetation in order to create

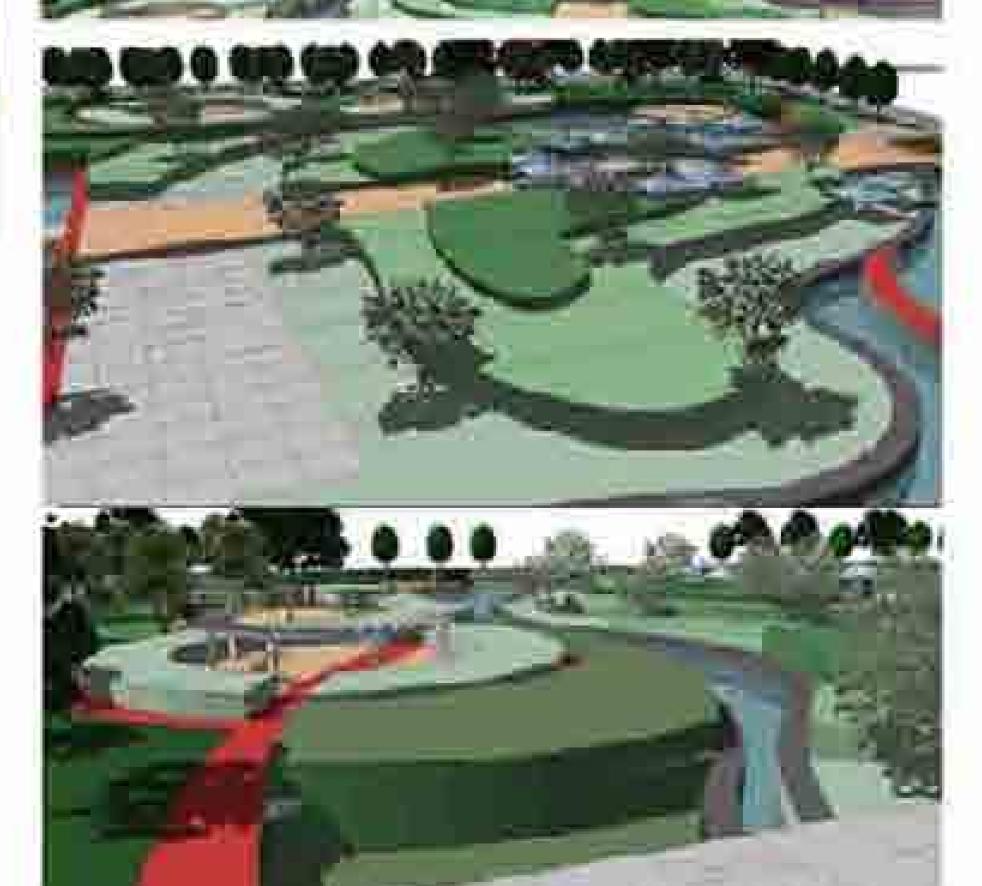
a diversity of ecological park, the red ribbon pedestrian system represents the biologic chain, conecting all the

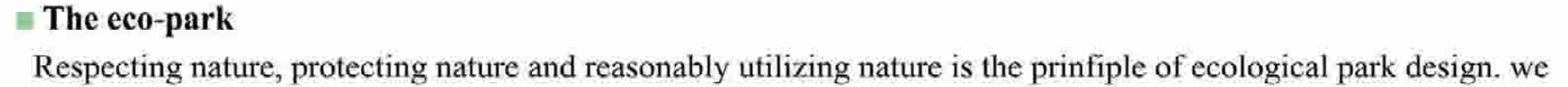


- 2. The centra plaza
- 3.Leisure island
- 4. The ecological wetland
- 5. Water platform
- 6.Service
- 7. Sloping forest
- 8.Lotus pond
- 9. The mountain show
- 10. The vehicle entrance









sight spots.



Residential Planning

The Residential Planning Of The Current Situation Analysis

Forest Park

Bayannaoer, Neimenggu, China

Area

16.5 Hectares

Project Team

Di Wu, Hui Xu, Yanting Liu

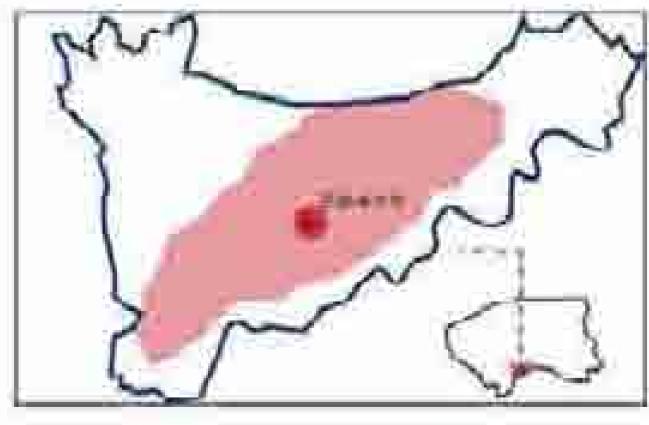
Date 2012.12

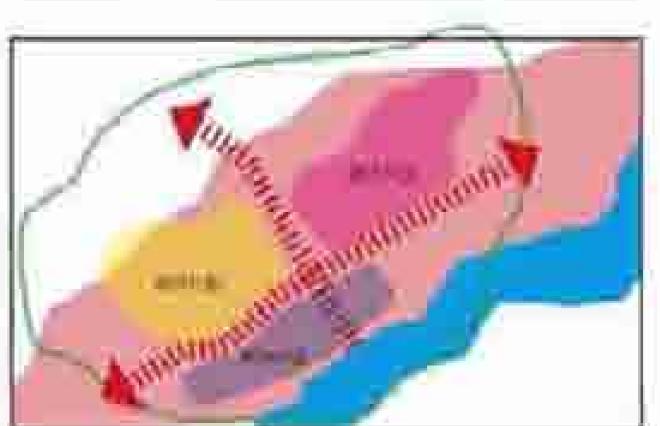
The project is located at the west of Neimenggu along with the Yellow River. In acoordance with the development of Neimenggu autonomous region, we aim to respect the river civilization and develop a ecological city in order for better life and integrated reginon development. We aim to show the features of local water, greening city and river civilization.

Location



Neimenggu autonomous region





City structure



Pictures







Greenbelt of East Dwellings of North

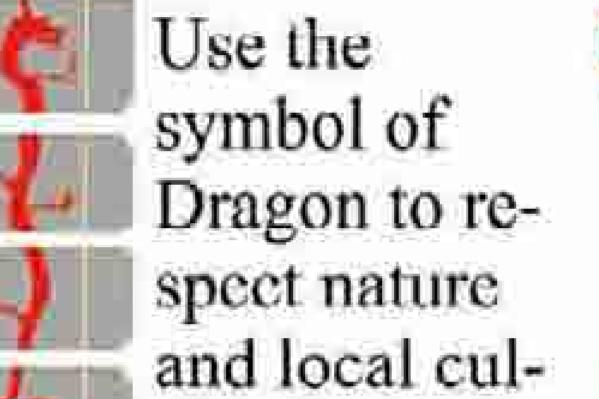
Conception

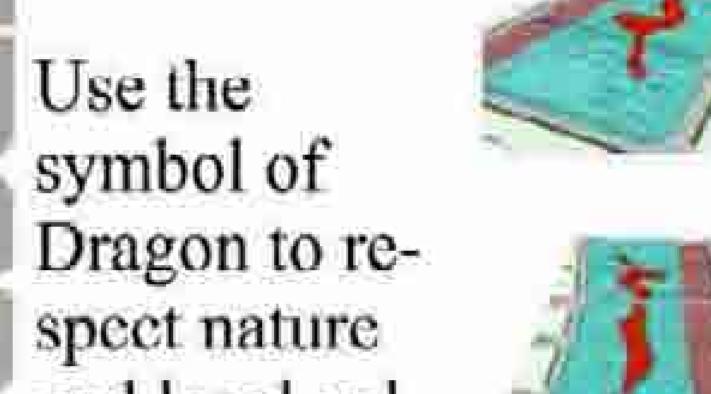


Master Plan









The public greening space and water system represent

dragon

Commercial Street







Apartment Design











Bird's View



Jindi Dream Valley

Huairou, Beijing, China

Area

15 Hectares

Project Team

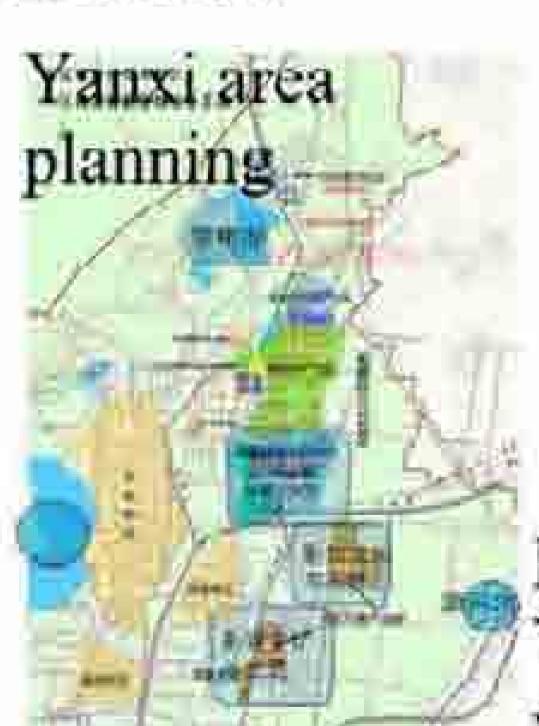
Di Wu,Hui Xu,Yanting Liu,Jia Zhu

Date

2013.7

This is a bid project which is located at Land use: C2 Huairou districct which is famous for Plot ratio 3.0 its natural scenery. With the Huairou overall planning, Yangsong area is aimed to develope to film industry zone. We focus on designing a integrated panning involving living zone, working area and torism industry. All of these factors contribute to create and improve the local creative industry.

Location



Project is located at Yanxi economic development zong



Land Use Analysis



Land use: C3 Land use: C3 Land use: C3 Plot ratio: 2.7 Plot ratio: 1.6

Height restriction, 36m Height restriction, 36m Height restriction; 45m Land use: R2

Land use: C3 Plot ratio:1.0 Height restriction: 36m Height restriction: 45m Height restriction: 45m Height restriction:

Current Situation

Product Layout





Exhibition Center Design



individual landscape environ-

ate zone between the commer-

ment, especially the ground







Apartment Design

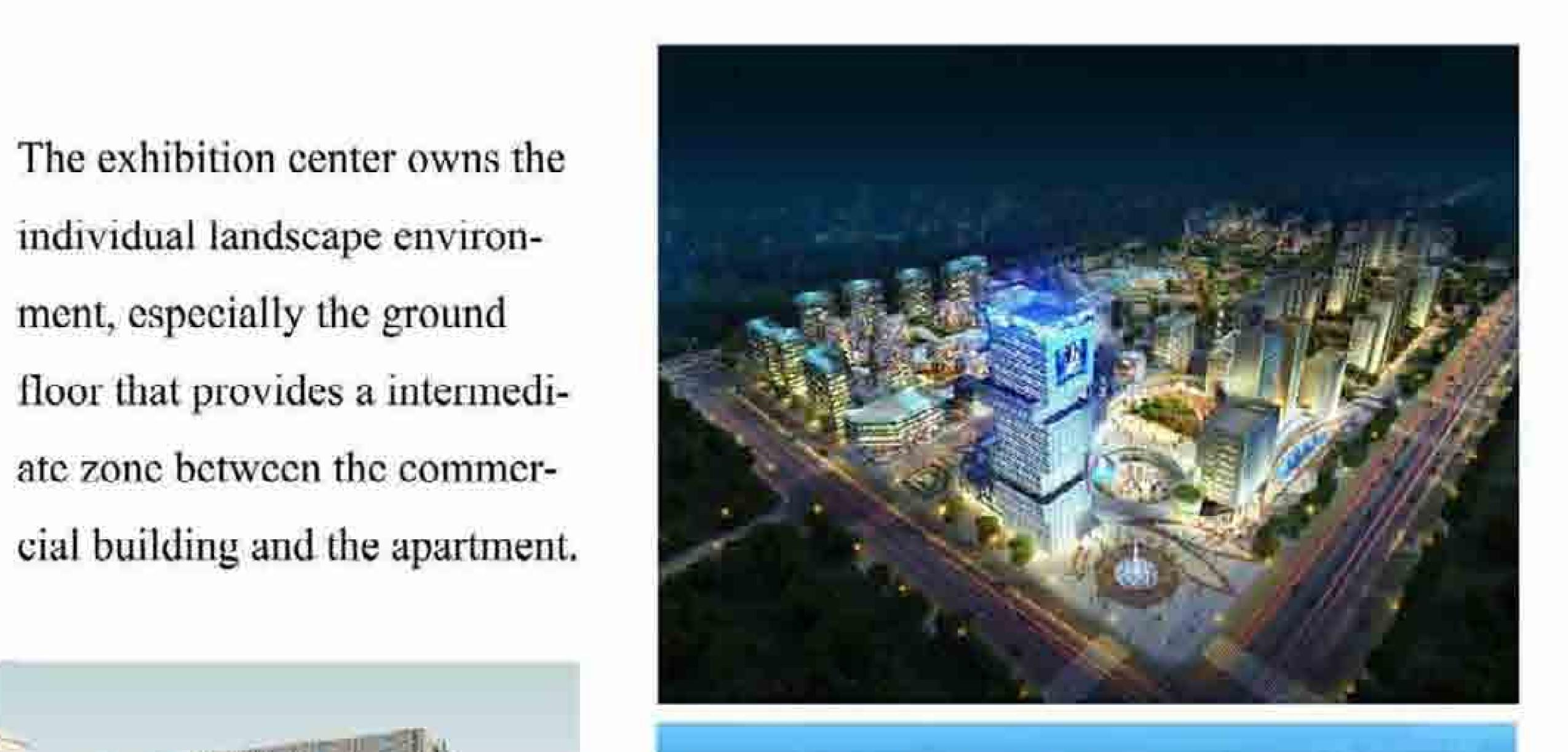


The apartment plan is required to be regular square which limites the external form.Inoder to break up the cube space and create more public activity space, some units should be moved back.



Normal Plan Location





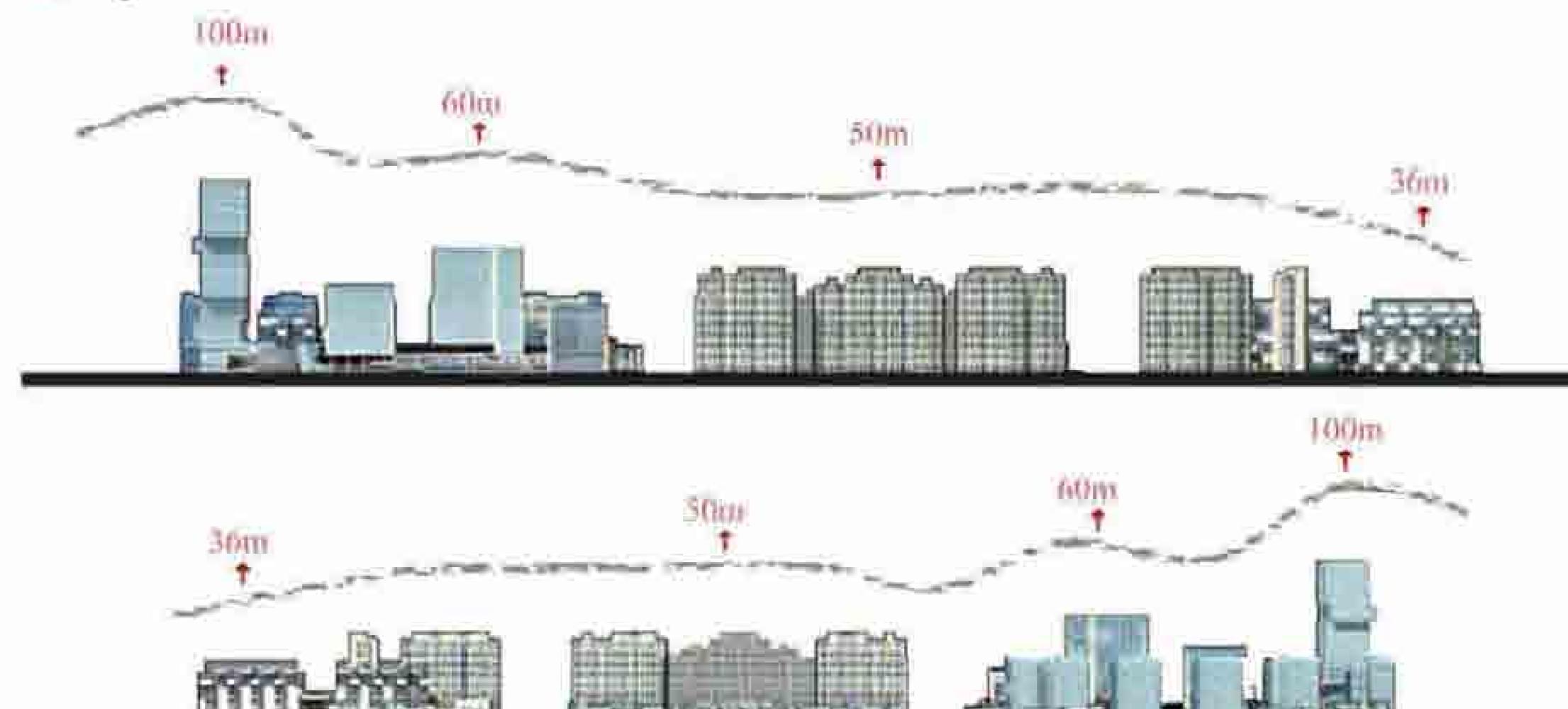








Master Plan



Architectural Design

The Commercial Complex Of Pingguoyuan Transportation Junction

Shijingshan, Beijing, China

Area

11100 m²

Project Team

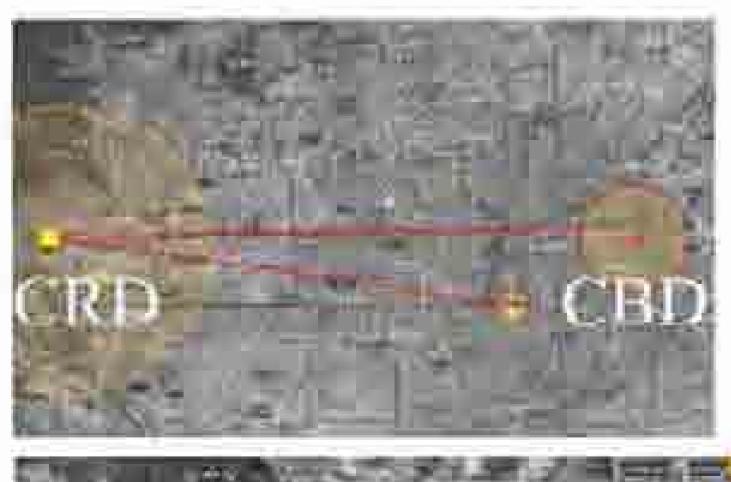
Di Wu, Hui Xu, Fei Jin

Date

2014.1

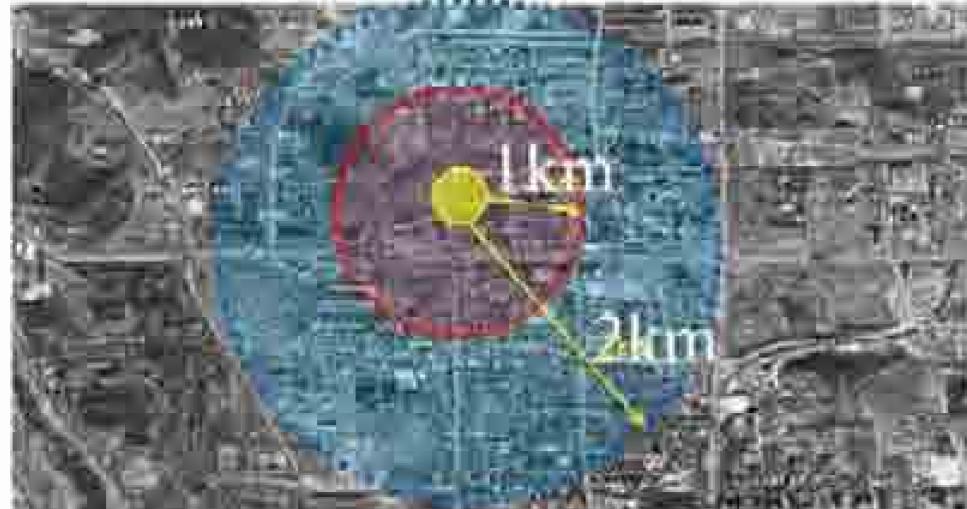
The project is located at the west of Chang An Avenue in Shijingshan district which is developed to be CRD of Beijing. We aim to design a commercial complex which could be the landmark of this area and provide an integrated service to the public, and ultimately could be the core commercial zone of western area of Beijing. The challenge is not the design of construction itself but also the connection between other municipal subway system and it requires the consults of multicooperation and the efforts.

Location





Current Situation Analysis



Commercial Service Radius

Owned the potential customer

Customer Base

Condition Analysis

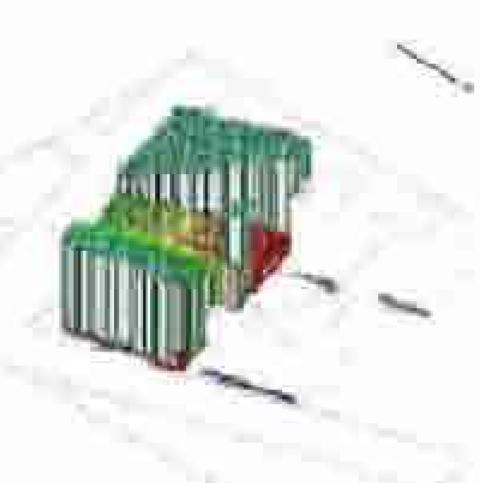


Planning Goal

Master Plan

Land- Fashion City Free Space mark Style Image Structure

LEntrance: the main entrance is along with the Pinguoyuan street with a good city





quiet area

Form Analysis

Good form and

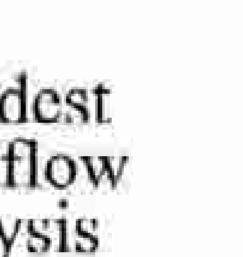
independent

rian flow analysis

office

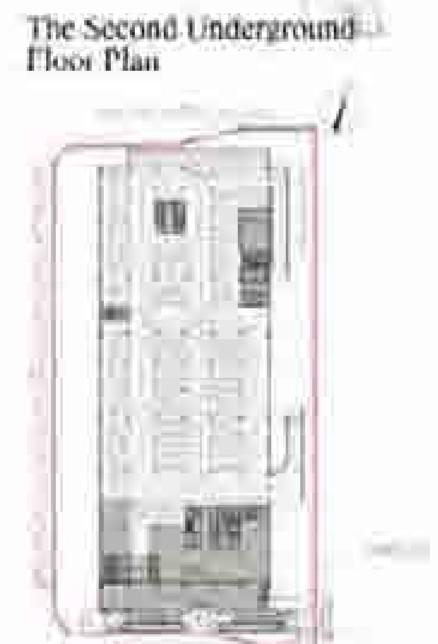
Integrated mode and less sunlight

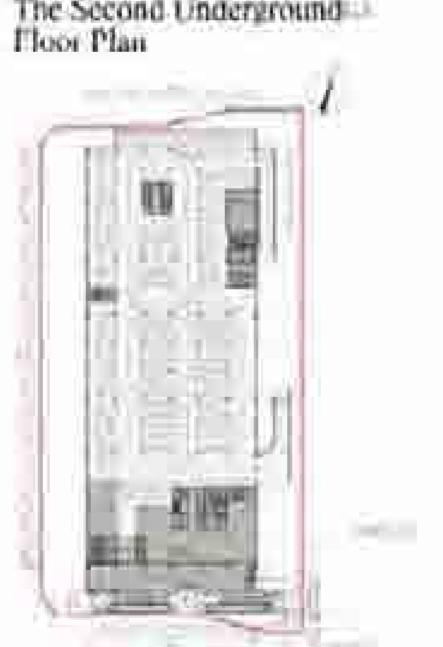
impact on current buildings

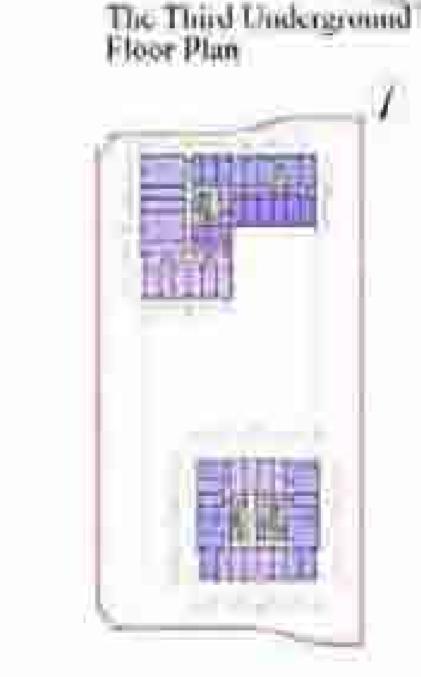




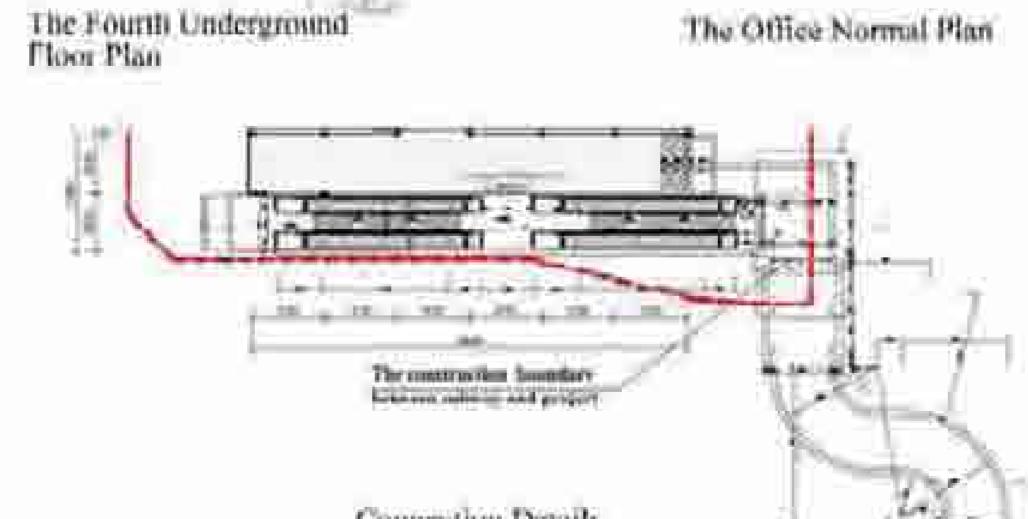
Plan

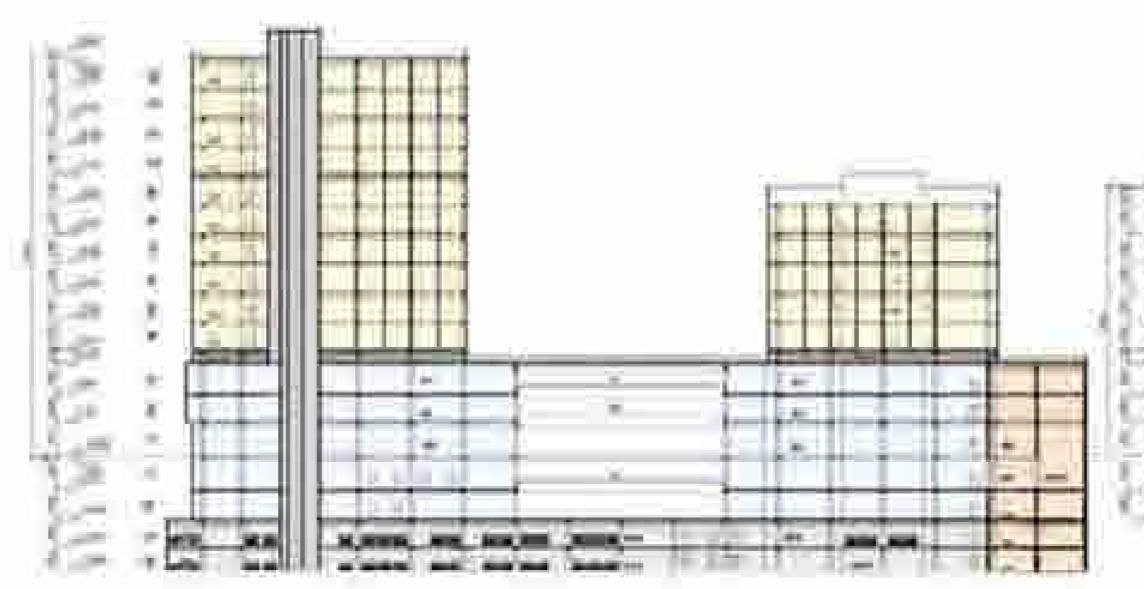








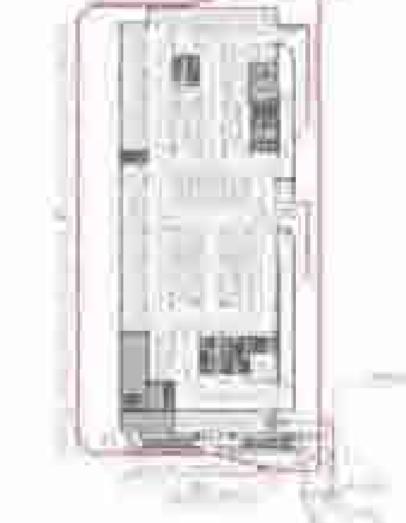


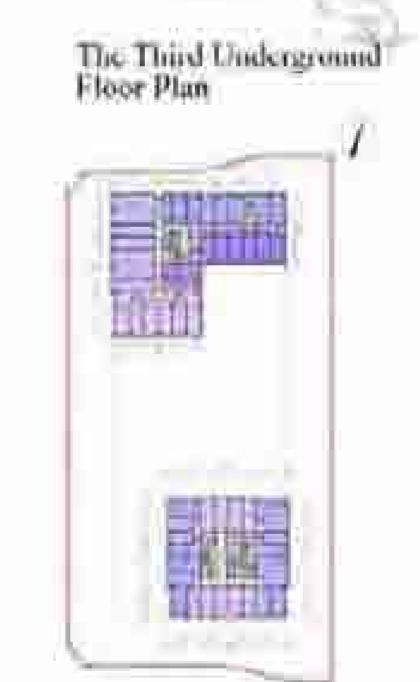








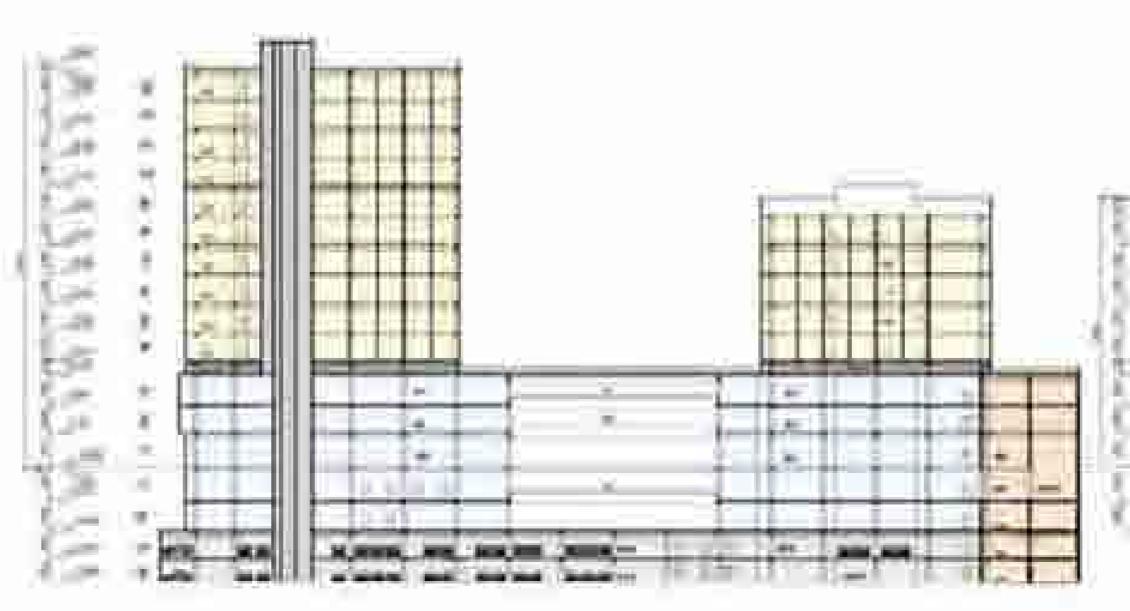




















New Countryside Planning

Hongshuikou Village Design

Mentougou, Beijing, China

Area

9.65hectares

Project Team

Di Wu, Yanting Liu, Ningyu Li, Xiang Gu, Lu Yan, Hailiang Cui, Yunfei Ma

Date

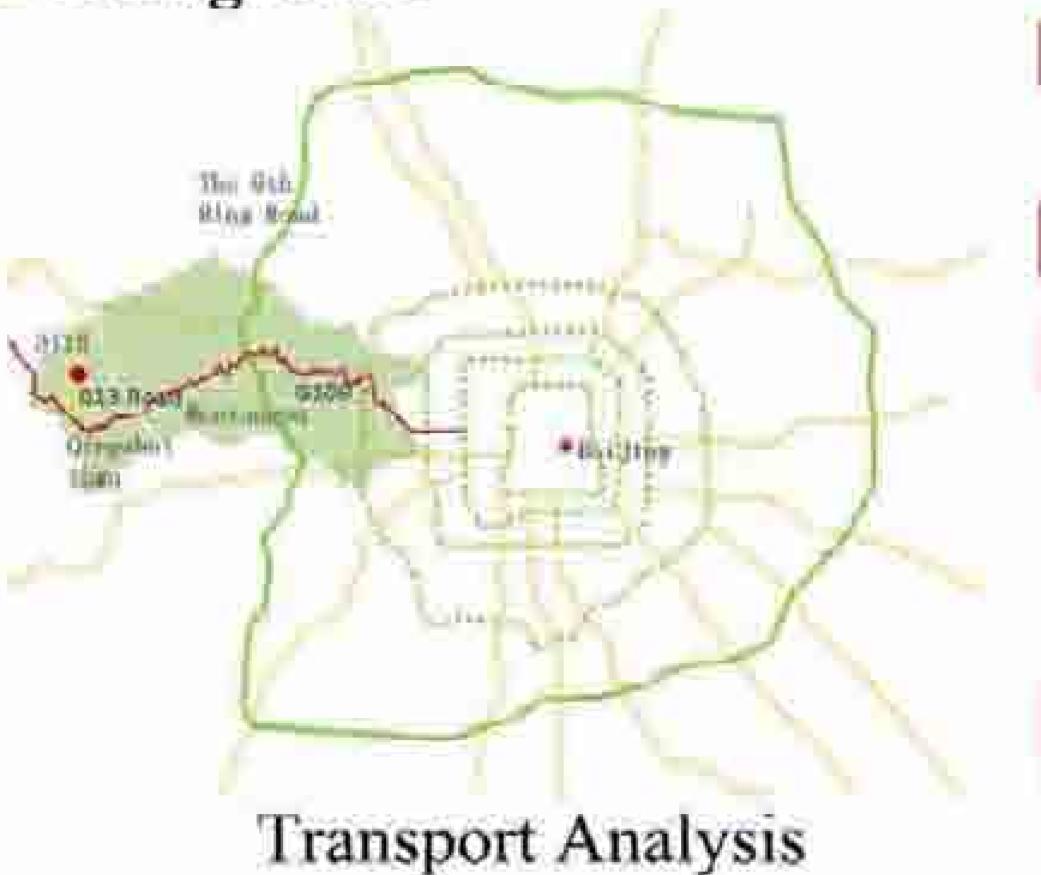
2014.12

New socialism countryside construction has been developed widely in China and Mentougou has been undergone the largest reconstruction in recente decades. This project is one of the significant reconstruction projects. We focus on the economic, political, cultural and social development in order to improve the prosperity, sound infrastructure, good environment for local residents. It is reported that this region will provide a significant opportunity forr regional tourist indusry.

Location



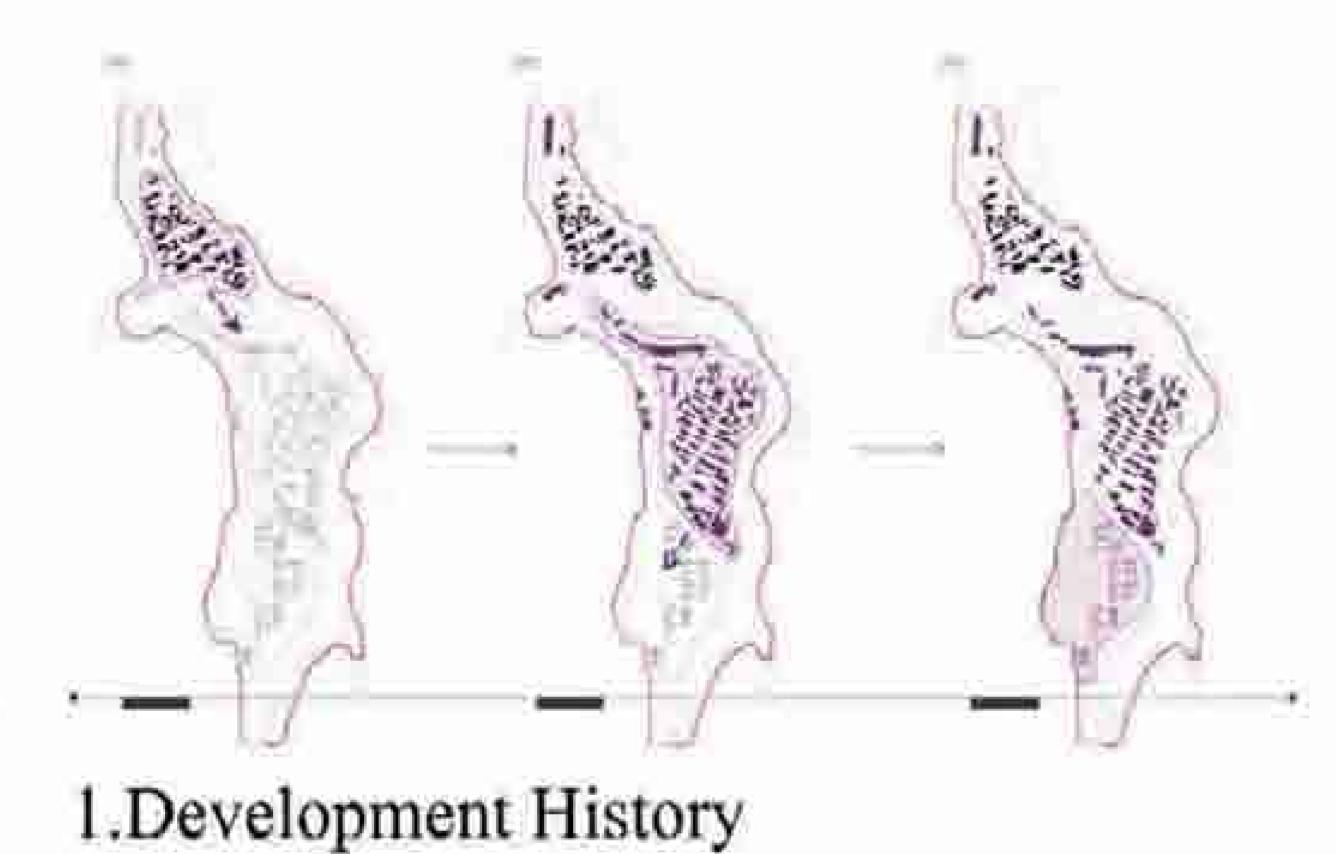
Background



加快推进除村昝户锡迁 大力改善山区群众生活 Promotion

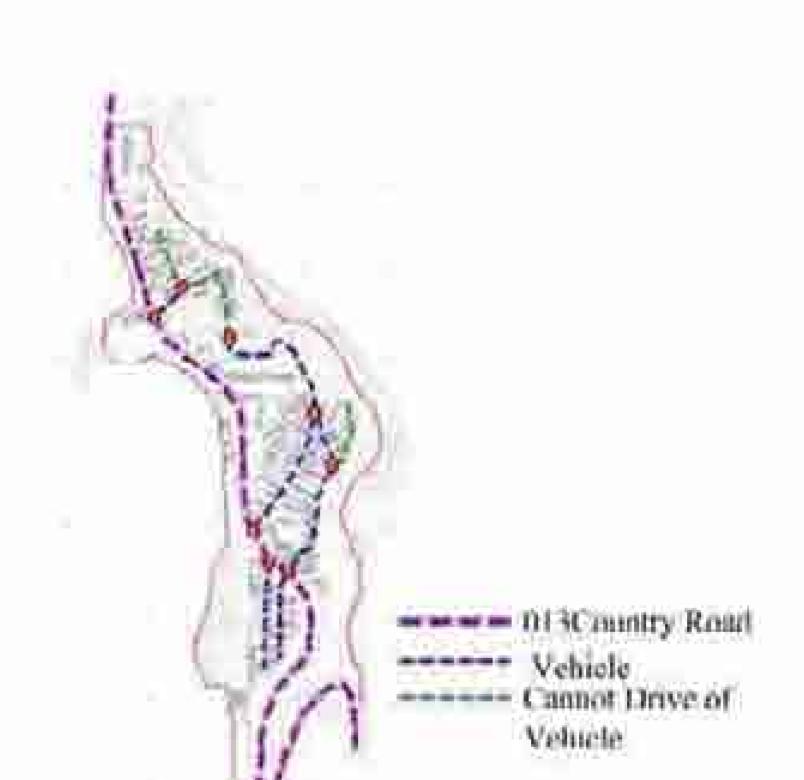
Current Situation

Current Situation Analysis

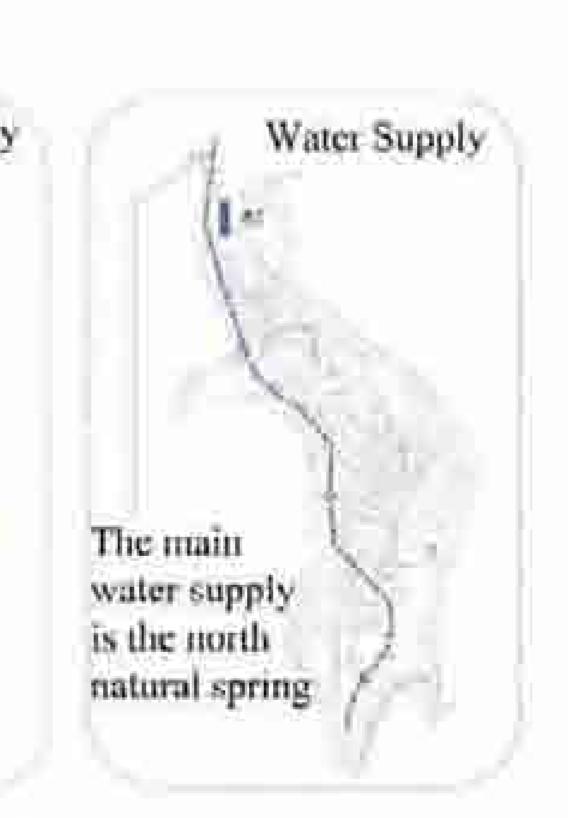




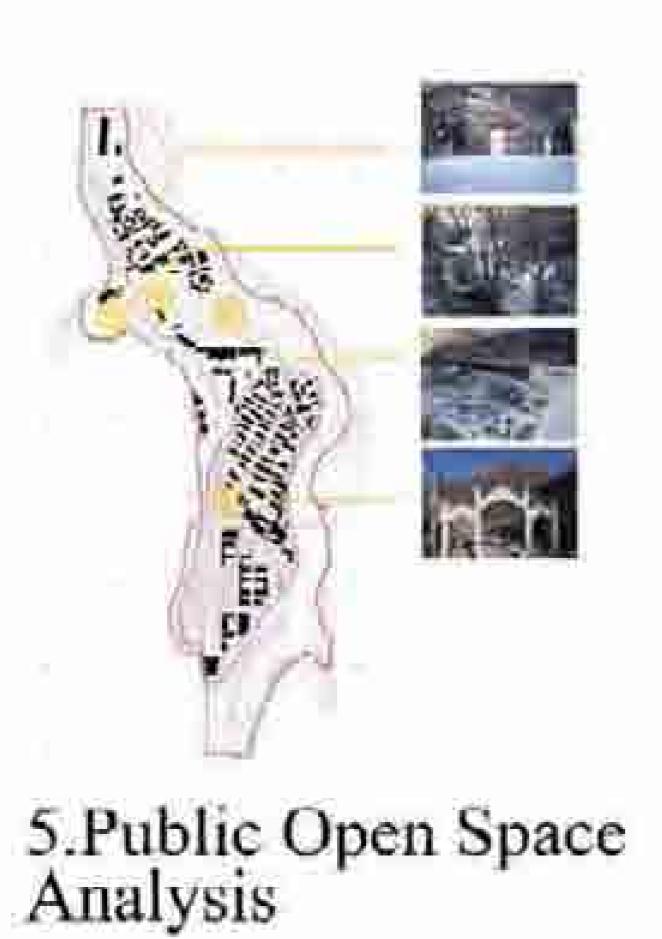
2.Landscape Analysis





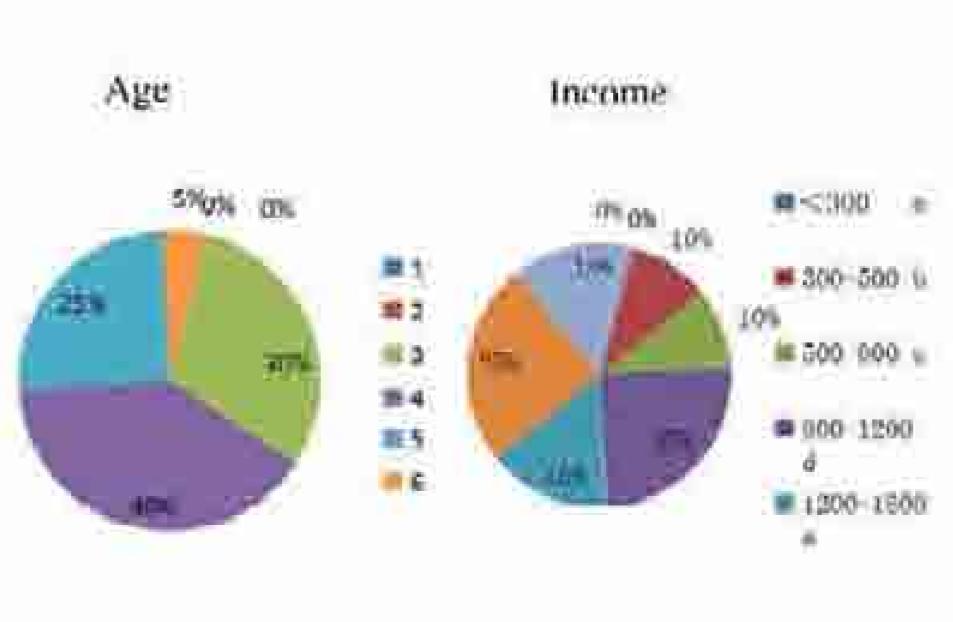


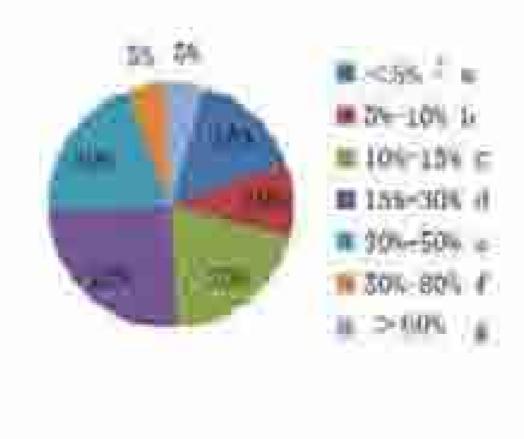
4. The municipal Infrastructure



3.Regional Trans-

portation Analysis

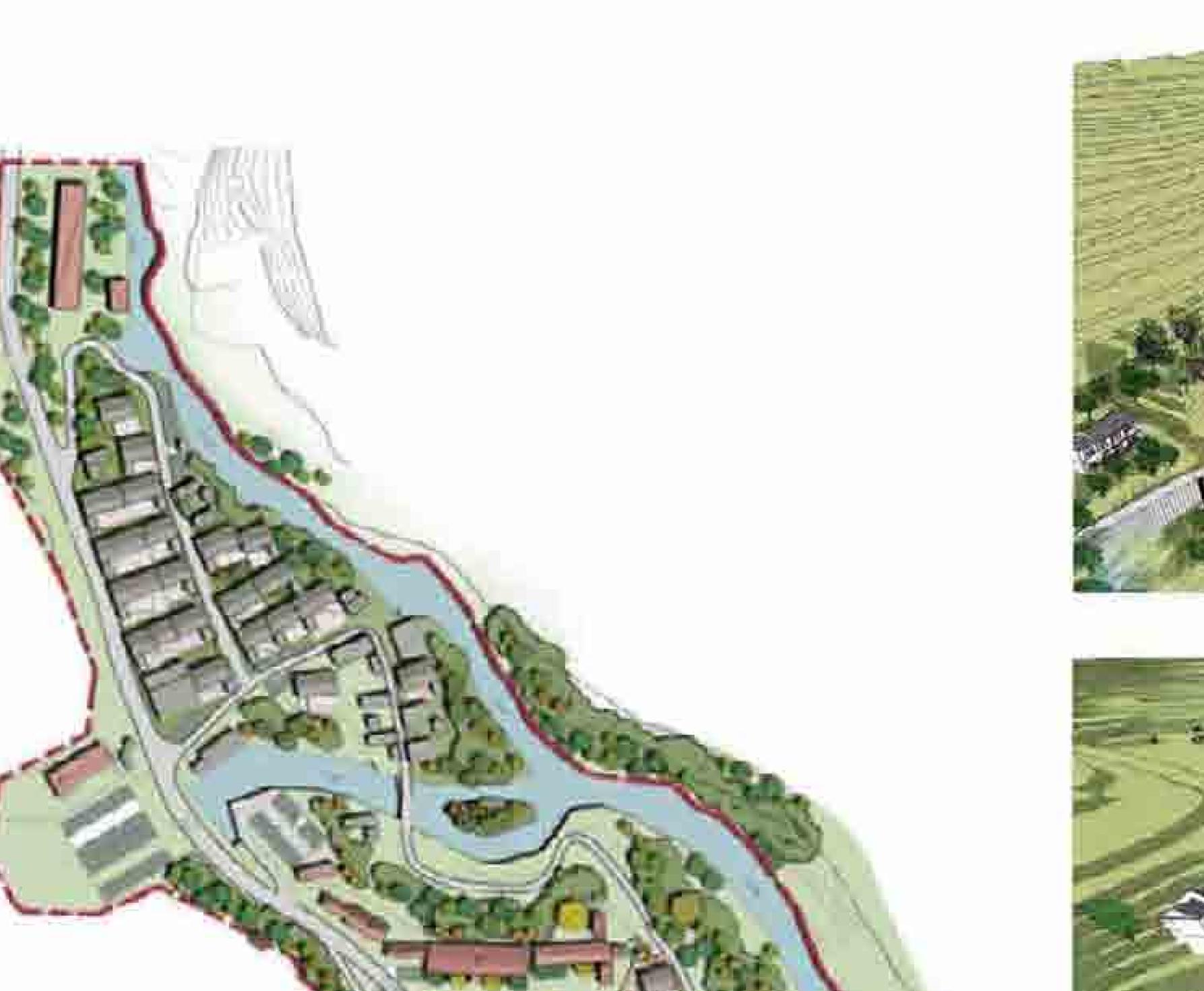




Income from tourism

6.Survey

Master Plan



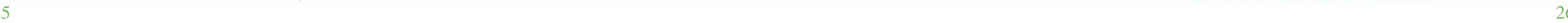












Elevation Design



.Materials:

The main local construction materials are soil, brick, stone and wood



2.Entrance:

The gate tower is the local traditional quadrangle dwallings entrance



3.Doors and Windows:

The main materials of doors and windows are brownish red wood

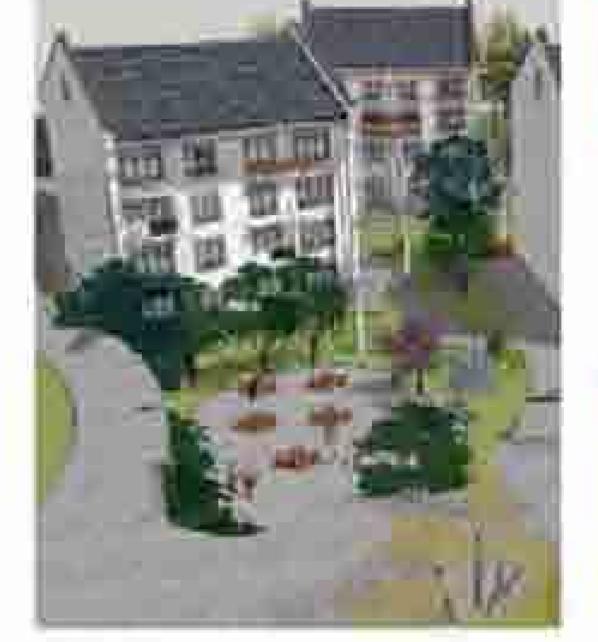


Reconstruction Of Village Entrance



Recon-struction









Site

Central Landscape Nodes

Apartment For The Elderly



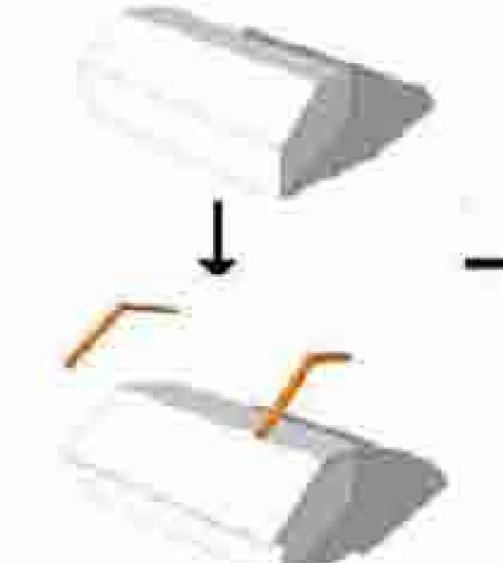


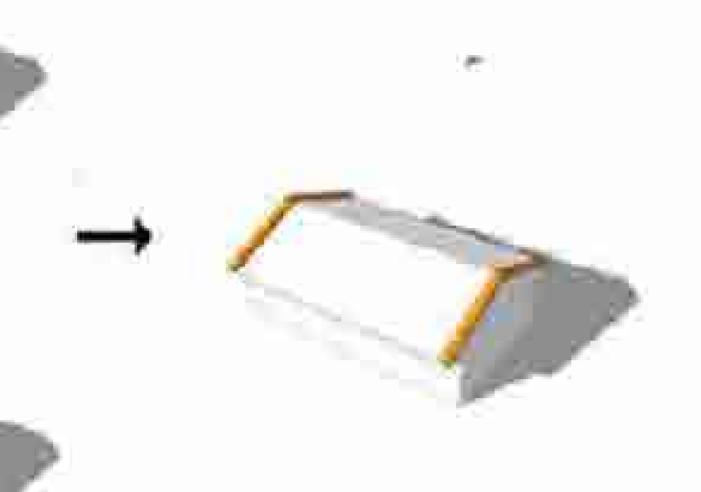


4.Wall:

The wall adopted the traditional timber structure: Hard Mountain







5.Roof:

The roof adopted the traditional style wheih is black hard mountain







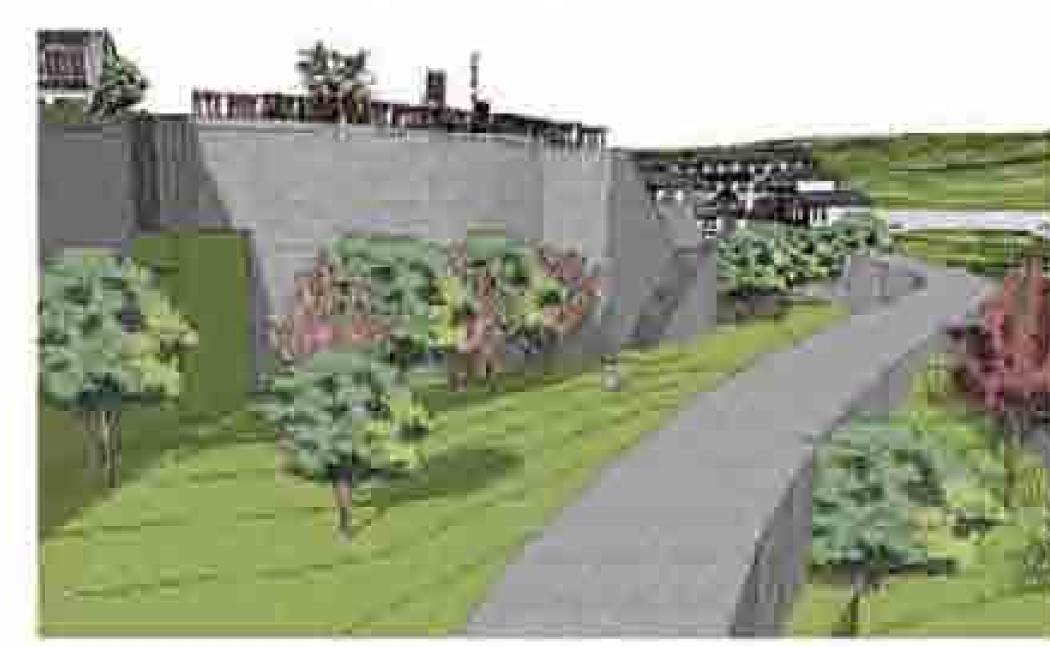


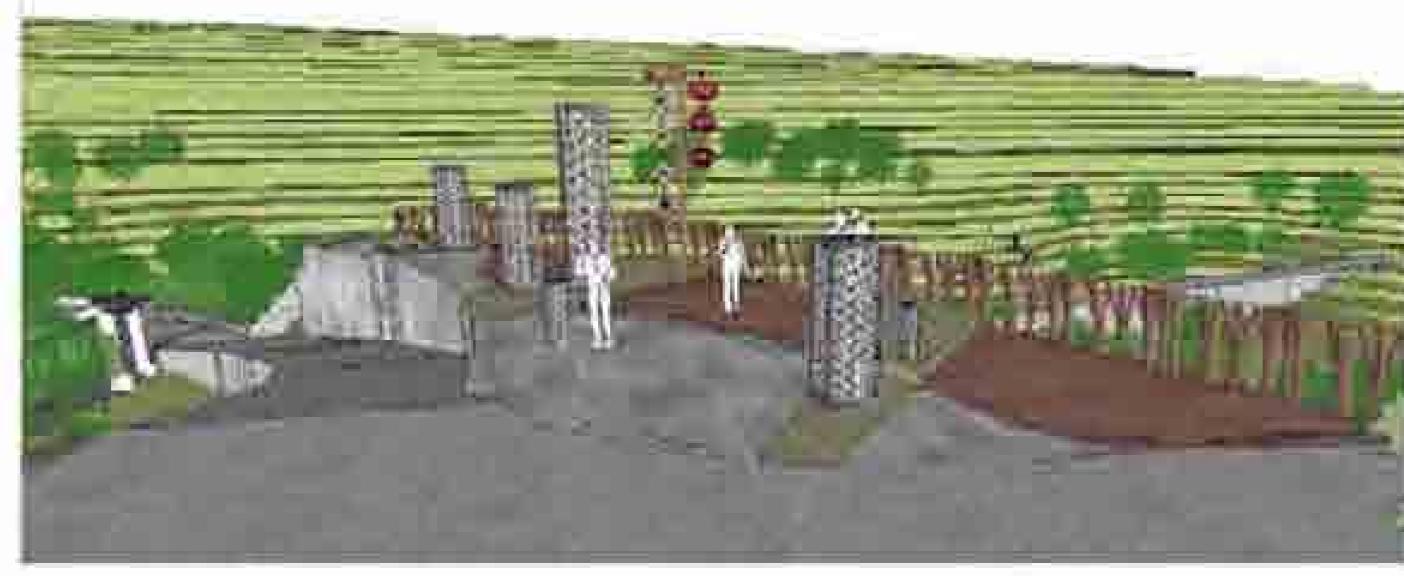






Public Open Space







Residential Planning

Baotou City Park

Baotou, Neimenggu, China

Area

16.65hectares

Project Team

Di Wu, Hui Xu, Fei Jin, Yuan Yuan, Xiang Gu

Date

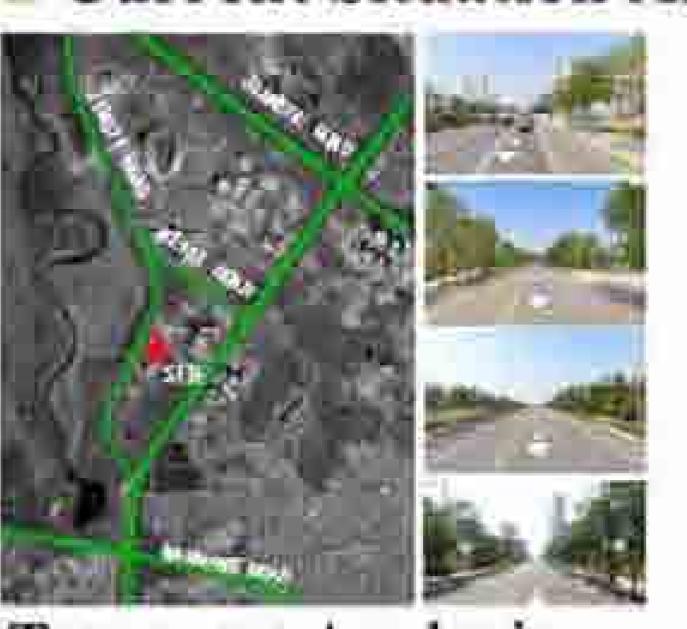
2015.3

The project is located at the new city area of Baotou which has unique and beautiful landscape. The regional planning plays a key role and this area has a potential value of living and investment. We aim to create a low density residential liveing zone for a better and comfortable life. We did a range of research of local communities and figured out lots of challenges faced by local customers. Therefore, we focus on the land use and designing of the housing type.

Location



Current Situation Analysis



Transport Analysis

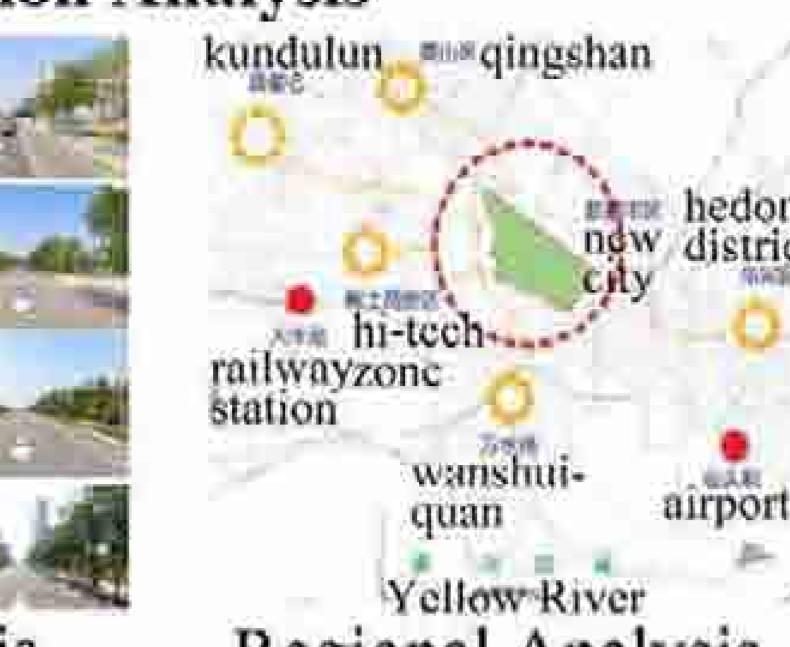
Landscape Analysis

1.Land Quality

4.Landscape View

Planning Analysis

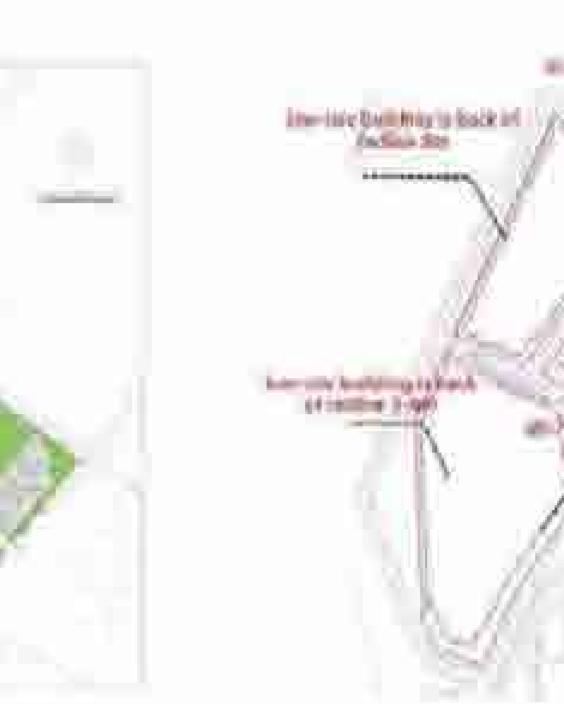
residence



Regional Analysis



Infrastructure Analysis

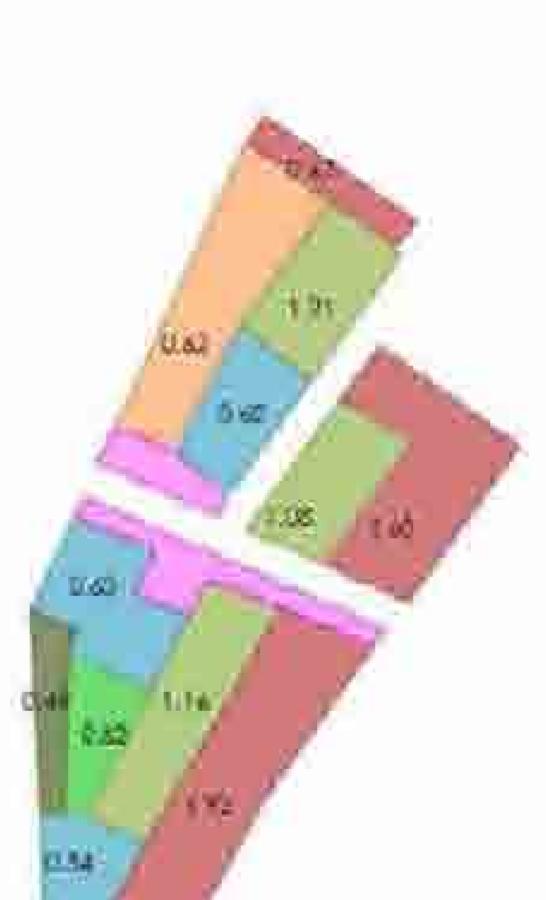


Site Analysis

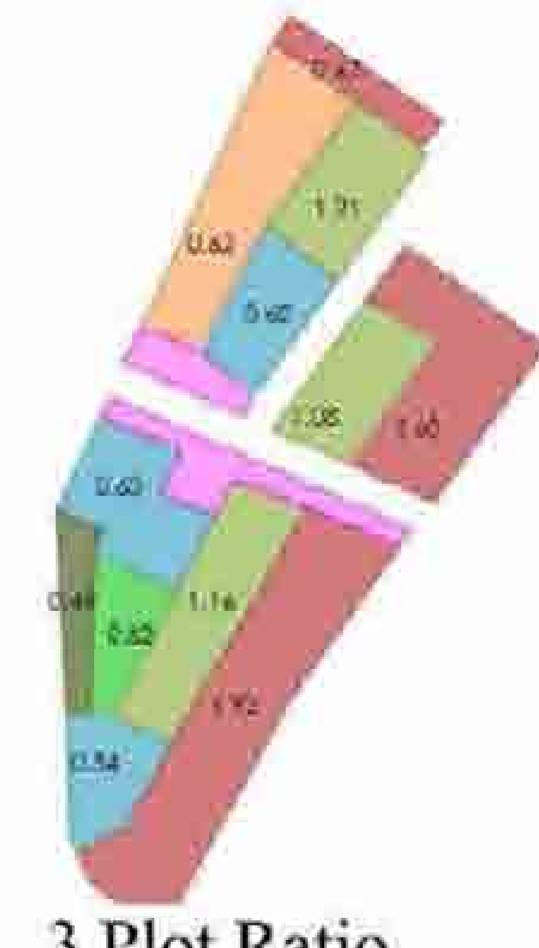


Proportion Analysis





3.Plot Ratio





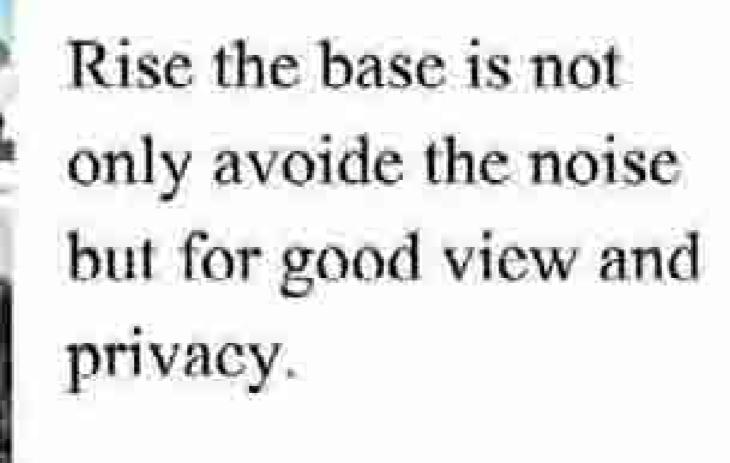
2. Products Arrange-



2nd level

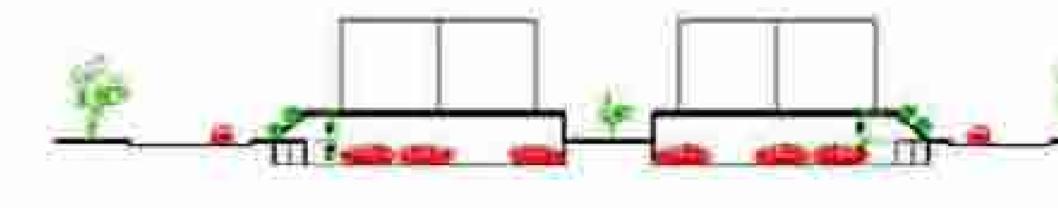
3rd level

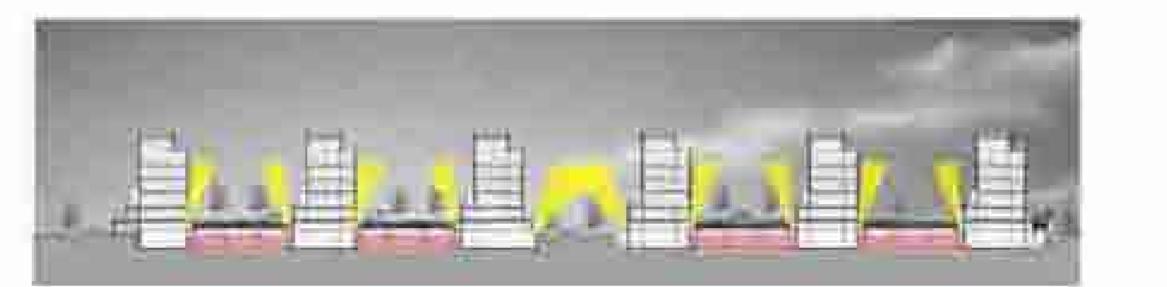
5. Noise Analysis:



Parking system







Style











Other Works



Industrialized House Design Fangshan, Beijing 2013.5



No.9 Changyang Area Canceptual Design Fangshan, Beijing 2013.8



Jingcheng Office Building Design Wuqing, Tianjin 2014. 10





No.2 Yizhuang High School Design
Daxing, Beijing
2014.9





Passive Hose Design Linyi, Shandong 2014.9



Kandergarten Design Wuqing, Tianjin

2014.8

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