

Using the Theory of Landscape Prototype Enhancement of Neighborhood Planning Social Cohesion Take the Xu Jiahui Park Design as an Example

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Abstract: The landscape consists of landscape and appreciation the landscape, landscape design in the neighborhood is to meet the needs of appreciation. Therefore, planning designers and architects should stand in the position of viewing emotion at design time, They should understand what the most viewers want to see and what can touch or fluctuate emotion in the hearts of viewers by strengthening social cohesion. Landscape design in the neighborhood based on the regional culture or emotional tend to make people have a rich emotional resonance. This paper takes Xu Jiahui Park as an example, defining design prototype theory, analyzing from the perspective of regional prototype and emotional prototype , and exploring the park landscape design based on the prototype theory.

Keywords: Design prototype, Local culture, Emotion

1. The theory of landscape prototype

1.1 *The landscape origin*

From ancient time, the generation of outstanding landscape works has its own reasons. The inspiration of creating these works often comes from original artistic which creation the initial impulse "roots". The roots have two means: one is Looking for historical birthplace upwards, the other one is Up to find the source of the feelings. The first emphasizes is that the development of landscape evolution influenced by its areas, all unique to the local climate, geography, culture and other factors which had been hidden in the consciousness of the local residents, The landscape design methods in the application of this phenomenon is called "Landscape Design base on its regional prototype". And the second emphasizes is much more abstract which By creating emotional space, make the viewer's cognitive and emotional resonance. The Emotional was hidden in the audience heart bottom which need to be activated on the works of art by landscape architects (Jin yunfeng, 2005).

1.2 *Basing on the design of landscape prototype*

The unique features of a local environment always give special characteristics to its inhabitants. On the landscape design of regional prototype can be done by recreating the regional scene. Scene reappearance through landscape design to arouse the people on the traditional consciousness of life and make them feel familiar. Scene reappearance should have full-bodied local atmosphere which ask the landscape designer to have a deeply understand or live experience on the site (Jin yunfeng, 2013). It is also should be continue in the design of the original region about life essence, absorb those local characteristics which can make people able to maintain the healthy development of the ecological balance in the region; To the original region part which hinder the development of itself should use of existing technology to make it perfect. Through combination of retention and development to build a new landscape culture which Implementation inheritance and continuously surpass ourselves.

The prototype theory which based on the emotional space can perform as a form of independent innovation. It is one kind of landscape design based on the rich and colorful emotions, it can Inspire the positive energy of visitor s life. In addition to the physical entity, immaterial culture story can also arouse people's excitement and curiosity, Scenes through one by one emotional together to bring changes of mood (Su long, 2005) .

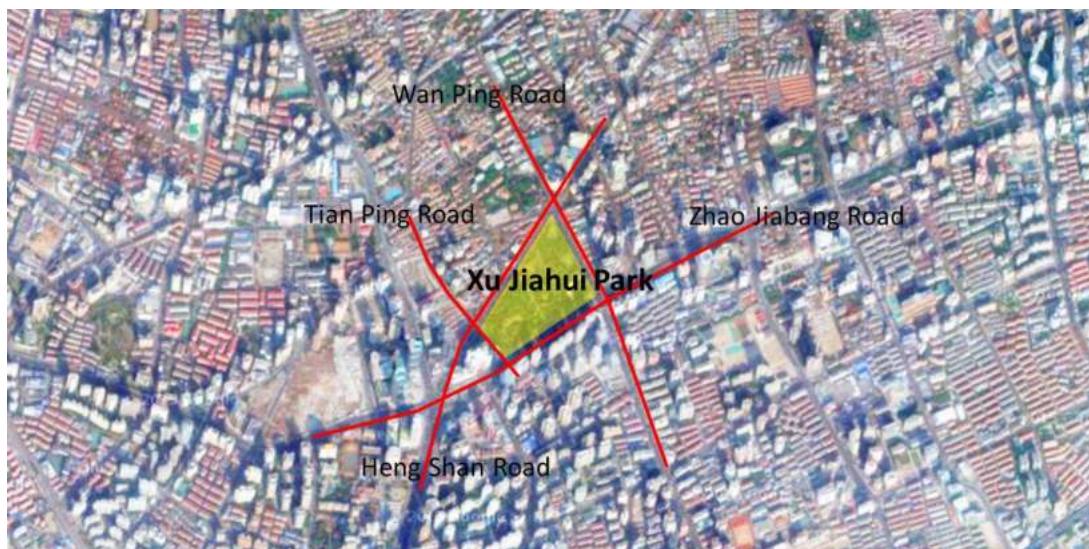


Figure 1. The location of Xu Jiahui Park

2. Analysis of landscape prototype of XUJIAHUI Park

Xujiahui park is adjacent to the largest business district in xujiahui Shanghai. The park is north to Hengshan Road, south to Zhaojiabang Road, West to Tianping Road and East to Wangping Road, covering an area of about 72700 square meters (Figure 1). The base shape of the whole site is like as a trapezium. There are multiple gates organize the stream of people which making it much better integration with surrounding environment and enhance the accumulation ability of the park. Xujiahui Park had been built which improve the regional environment and meet the citizens' leisure activities, is also has strong ecological benefits.

2.1 Prototype of Site Region

2.1.1 Analysis of The Whole Site Region Prototype

Xujiahui Park is like a mini map of Shanghai. It is base on two methods of art symbolic and analogies to tall us a story about Shanghai history. A lot of continuous landscape bridges connect with the History, Nowadays and the future of Shanghai which make visitors who are walking around the park on reading a photo album. So, the best tour way is come from the south entrance, standing on the top of park where getting a whole view, and then, getting a depth experience (Fu zhongxian, 2004) .

The landscape bridge start from the southwest corner near to Zhaojiabang Road and Tianping Road, it show commemoration and admire on national industry in modern times. Walking along the landscape bridge and turn on the northeast direction, a lot of villas which belong to department store had been protected can be seen in there. The villas make visitors close to the history and open

mystical veil of history. And walk along, as you stand on the landscape bridge which bridging upon the park that old map of Shanghai emerge from there. Visitors overlook the whole history on the bridge, all kinds history stories were combined together to arouse visitors sense of history mission. Meanwhile, visitors can also overlook the river system which as a supporter element connect time and space in the park. The river symbolize as Huangpu River which was called as a mother river of Shanghai, dividing the park into two parts to show the different urban texture about Pudong and Puxi in Shanghai. The river tell us a continuous story about the development of Shanghai history from industrial age to nowadays. At the end of the bridge is a view of the thinking about future by landscape designer. (Figure 2 Figure 3)



Figure 2. Landscape bridge of Xujiahui Park



Figure 3. River system of Xujiahui Park

Xujiahui Park making the history of Shanghai as a clue and connecting the tradition culture with society, Reappear a view of the location original live in modern landscape. Old and New human landscape were connected by modern technology to achieve symbiosis of old and new space-time, making Shanghai culture inherited. (Figure 4)



Figure 4. Site-plan by hand painting Xujiahui Park

2.1.2 Analysis of partial Site Region Prototype

The landscape architectures are much easier to touch the interest of visitors. And then, there are four cases in the park will be taken to explain how the site region prototype make resonance with visitors.

(1) The memory of Dazhonghua Rubber Factory

Dazhonghua Rubber Factory is a pioneer of China National Industry and had made a great contribution in the history of china rubber industry. It had been stopped to run and relocated in 2000 for the ecological build of Xujiahui district. Most of the buildings were removed except a chimney in the southwest corner of factory to be as a commemoration point. There is a original view of the factory was carved on the bottom of the chimney where base on landscape reappear to record the developmental history of factory. At the moment, the chimney had became as a famous mark of Xujiahui Park, it was also giving an inspiration of environmental protection to people. (Figure 5)

(2) Red building

Red building is located on one side of Hengshan Road. it s as a ruins of Baidai record Company, have a style of period times. The record company which opened the record production in China was built by French, and the record of production in China, it records the evolution of Chinese modern art history. Landscape architects used processing technique to repairing old as before on the Red building. They protected the original red brick wall and extracted the French landscape gardening methods for planning external environment to coordinate the building inside and outside environment. The landscape space where integrate with the modern living environment was built. It satisfies the viewer curiosity of historic buildings.

(3) A Strip Reflecting Pool

Landscape architect use modern way to build a landscape pool which the chimney reflected in. It is also a way make Geographical element Integrated into the Modern landscape. Although the pool look like simple but it Has profound connotation. Changing the water reflection of the sky, Dynamic and static, virtual and real, old and new combination gives the pool of life. (Figure 6)



Figure 5. The entrance of chimney



Figure 6. A Strip Reflecting Pool

(4) Landscape on lake

Four landscape bridge were built upon the lake which significance of the Huangpu River, they are respectively symbolize four Bridges "xupu", "Lupu" and "Nanpu" and "Yangpu" in Shanghai. They are also designed a Yuyuan Garden on the corner of lake. The design of landscape along main veins point brings a kind of homesick feelings bailment.

2.1.3 Analysis on landscape plants of regional prototype

Xujiahui park without adopting enclosed design, fusion of the surrounding environment in the design of urban texture, it faces to the society and open. landscape plant design in the park full respect to regional block texture, because the style is different ways which the park near to. The plants on boundary play an role on closing park and the surrounding environment. Plants design on the Hengshang Road Adopted rules display way on planting for Adapt to the artistic style of it; Plants design near the Zhaojiabang Road is also in harmony with the surrounding roads, uses the natural way for planting. (Figure 7)

Overlooking on a bridge, the map of Shanghai was performed by plants, combination of modern plant and historical residences form, bring the viewer strong visual impact. (Figure 8)



Figure 7. The plants design of walkways



Figure 8. The map of Shanghai made by plants

2.2 Emotional prototype



Figure 9. Creative sculpture in Xujiahui park



Figure 10. A Run way

Emotional prototype material selection are not limited to the scope of the area, all of them which shock the viewer inner elements are emotional prototype material, Such as moving plot historical stories, creative sculpture products, novel emotional experience places, etc. The landscape design which based on the emotional have its vitality, it can make busy citizen completely relax in here and get release emotions. (Figure 9)

2.2.1 Atmosphere Build

The lake as the center, axis straight road and waterfront curved road were Combined into the Skeleton of the park, and the Landscape bridges like solid skeleton of space form. The whole park spaces have variety levels which Combined with the primary and secondary, Advancing begets, Strewn at random discretion. Different landscape corridors which String together by the time have different psychological feelings, Stimulate visitor heart from miss the history to the dreams of the future. (Figure 10) Winding corridor water system and time are intertwined, the Running water is sometimes depression soothing and sometimes is actively, making the visitor Sentimentally attached for The passage of time.



Figure 11 Rich levels view Figure 12. Variety of activity space

In each landscape nodes to use of building envelopes, different materials contrast and collage, configuration of the different plants, forming a series of different sizes and rich layers of space. (Figure 11, Figure 12) Different spaces attract different people and Gather a variety of activities; The same spaces at different times will attract different activity groups and rich activities. Bring to different ages viewer an experience which will be much more exquisite and stimulate their inner feeling.

Construction of artistic conception and atmosphere of rendering can t leave away the plant configuration, the plants morphology and flower color directly influence people's deepest joy and sadness. At the major entrance where nearby the Zhangjiabang Road and Tianping Road is fundamental key with Yulan plants, Cooperate with the plum blossom, Chinese flowering crabapple to significance of a feeling of good and strong, give people colorful romantic mood; Nearby one side of the Linping Road, base on red tree to be a key plants, such as maple, maple, and Nantian bamboo. When autumn comes, the Red leaves like fire and yellow leaves like gold, Such a warm color represents happiness.

2.2.2 The Angle of Views

In front of the Xujiahui Park was built, there are just two meters elevation on the site, it is not conducive to build a watch level. In order to form a good viewing Angle, the design would improve the land of northwest corner in the park to make the park surrounded by topography. Gently undulating terrain and plants constitute a gleaming surround close space, obscured the peripheral urban road dust and noise to be a good microclimate in the center area. (Figure 13) The main activity area layout in central of the park, a good landscape views were gotten From the surrounding landscape node static to dynamic center landscape nodes. As the viewer look around the center to the outside is like a place by oneself in the city of the bosom nature, to provide a joyful mood to visitor. (Figure 14)

3. The conclusion

Landscape Divided into two parts: Landscape and the viewer of Landscape. When landscape architects begin to design he must be clear about why do the landscape? And who is the viewer? There is no doubt that Landscape design is done for the viewer, and the design process must be standing on the position of the view. Therefore, a good design must be "people-oriented", "based on people's feelings"(The Feelings mentioned here, on the one hand there is a part of the geopolitical foundation, on the other hand is arises spontaneously). Furthermore, the landscape design is by taking advantage of good story with the surface of the earth to touch visitor heart and give visitor ups and downs of emotion.



Figure 13. Activity space in Surround close
(Picture source: online)



Figure 14. A good view of landscape
(Picture source: online)

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