

Research on Theory and Method of Urban Landscape Design Based on Regional Features

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Abstract: The regional characteristic of urban landscape design is a new topic of the urban landscape design. This article studies and analyzes the urban landscape design with the regional characteristics based on the concept of scientific development and strive to discover the inherit and reshape the historical and cultural connotations and the regional characteristics inherent in the city. So this paper expounds on the concept and approach of regional characteristic of the urban landscape design and combines the Mianyang City to carry out the case study as well analysis on the exploration to provide ideas and references for regional characteristic of the urban landscape design.

1. Introduction

The regional features are the natural carrier of the urban landscape design which is also the natural environment of the city, the climatic conditions, humanities and the historical changes are all the comprehensive reflection of social background which plays an important guiding role in the urban landscape design and the regional characteristics of the urban landscape are embedded in different forms, such that can behave as modern emerging features that can also be expressed as the historical and traditional feature. At present, China is in an important stage of accelerating the pace of urbanization and whether urban landscape design is reasonably well received by all sectors of the society in our investigation, we found out that due to the various factors, the landscapes of different cities have shown similarities and many landscapes with distinctive regional characteristics that have gradually disappeared and very unfavorable for the inheritance of the national culture [1]. In recent years, related design concepts such as regional characteristic of the urban landscapes and local landscapes have become hot topics of the academic research in China and foreign Countries because many scholars have withdrawn the people's attention to the regional characteristics of landscapes from various angles [2]. Therefore, carrying out this research work is very important.

2. When you enter into the regional characteristic of the urban landscape

The regional characteristics are the characteristics of the environment in which human beings are born and the characteristics of all humanities are from the natural environment in a particular region, it is expressed in the historical context of a region, economic industry, social humanities and in terms of the natural landscape characteristics which is the local cultural feature formed by the people in their long-term life according to their lifestyle, local customs and the historical context. The connotation and charm of a city lies in its unique characteristics which are mainly actualized through the continuous development of the city's history and culture in order to shape and beautify itself to create a city landscape with the regional characteristics which is mainly considering the natural factors and human factors of the types of landscapes we see are not isolated, and it is closely related to the surrounding and its environmental development, thus forming the regional characteristics which nature has given us the different geographical conditions and the natural characteristics of each city. In the long history, our ancestors left with us a profound and splendid traditional culture, these historical sources are worthy of our refinement and application in the process of the urban landscape construction which is the starting point and for creating a regional urban landscape ^[3]. The urban landscape with the regional characteristics can bring locality and

identity to the local residents, and it can also show the value of the urban culture, economy and ecology.

3. The concept and approach of the regional characteristic of the urban landscape design

3.1 Design concept

The geographical urban landscape design should respect the regional cultural characteristics and follow the people-oriented design philosophy, to protect the historical and cultural site for the use of urban landscape construction and to make the landscape a unique one, because the topography is the foundation of the urban landscape construction, based on this fact, we should therefore conform to the natural conditions in order to shape the urban landscape with the regional characteristics; follow the people-oriented design concept and design a more humanized landscape work.

3.2 Design approach

To create a city landscape with the regional characteristics which is necessary to excavate and refine the regional characteristics of the city to coordinate the connection between various factors and the regional characteristics in the process of the urban landscape construction, and to effectively protect the original landscape of the city's renewal and inheritance because it is necessary to maintain continuity with the original landscape as the features of the city when constructing the new urban landscape space; as an important entrance, road intersection, important mountains and buildings, etc., which can reflect the characteristics of the city Nodes and focus on the building to ensure that, the important nodes can reflect the regional characteristics of the landscape.

4. The analysis of the current situation of Mianyang regional characteristics landscapes

The Mianyang is located in the northwestern part of the Sichuan Basin, and has a long history and rich cultural heritage, it is also rich in natural and tourism resources. It is a famous historical and cultural city in the country, it enriched the culture of Shu Path in the three Kingdoms, the Li Bai culture and other cultural resource with Yuewang building, the Nanshan Tower, Fule Pavilion, and Ziyunting pavilion and so on are all the historical relics with Mianyang regional characteristics ^[4]. The water system in Mianyang is developed and the water resources are abundant, there are also Fujiang Rivers in the city, Furong Creek, the Anchang River which passes through the city and a large amount of waterfront space has been formed, which is conducive to the creation of waterfront landscapes, Mianyang is analyzed from the development process and morphological evolution of the city, it is basis on this fact of having respect for the history, that integrates the natural environment and creates a concentrated regional city image and as well integrates the regional, historical and cultural life.

With the advancement of science and technology, we have examined the urban landscape from a broader perspective and discovered that, there are still some difficulties in the Mianyang urban landscape. The Mianyang urban landscape lacks the spirit of time and the cultural connotation of the landscape is practical and functional as well as the riverside corridor of the landscape lacks continuity and integrity, the urban architectural layout is also unreasonable and the urban public green space is encroached resulting in the urban corridor being cut off. The entire urban landscape shows the features such as complex shapes, heterogeneity, and fragmentation, the urban population of Mianyang is increasing and the building density is also increasing. As a result of this, the systemic and holistic nature of Mianyang's urban landscape has been broken resulting in a lack of continuity between the urban landscapes. In summary, the problem is due to the splitting characteristics of the landscape, the Mianyang urban landscape is divided into several small plates lacking integrity and there is also a certain disconnection from the overall environment of the whole city ^[5].

The Mianyang urban landscape construction should inherit the advanced design concepts and experiences of the domestic and foreign countries on the basis of inheriting the historical and cultural connotation of Mianyang city and the advantages of natural resources, rationalize the

texture of mountains and rivers, meet the needs of urban development, and better reflect Mianyang. Regional Features.

5. Mianyang Regional Landscape Design Exploration

China's classical garden landscape which creates a gardening technique that emphasizes on the reasonable combination of rock, water, plant and architecture, the mountain and water are its material basis and the artistic conception of garden poetry is its essence. The city of Mianyang has rich historical resources of mountain water resources and regional characteristics which has added profound cultural heritage to Mianyang. These conditions provide sufficient material foundation for the construction of Mianyang's characteristic landscape, in this natural environment, the Mianyang people have overcome all kinds of terrain difficulties and built their own homes which is in line with the gardening foundation of China's classical gardens, showing a unique architectural form and regional cultural connotation that the rapid development of Mianyang City will definitely promote the progress and improvement of Mianyang's urban landscape because the formation of the urban landscape with distinctive regional characteristics is a very long process. In this process, it cannot be accomplished overnight, eager for success, and chaotic construction^[6]. We must follow the laws of natural development, carry forward the national traditional culture, pay attention to the human spirit, and protect the natural environment. A beautiful and urban landscape with Mianyang regional characteristics will gradually appear in front of us.

5.1 Relying on the Fujiang River to create the characteristics of the waterfront city landscape

As the mother river of Mianyang, the Fujiang River which runs from the north to the south from the center of Mianyang, the two banks along the river are the most vibrant waterfront space in Mianyang which accommodates a variety of the urban activities and there are many historical and cultural relics on both sides. The development of the waterfront activity space includes Tieniu Square, Wuyi Square and Sanjiang Wetland Park and the construction of this waterfront corridor has promoted various urban activities such as commercial and residential recreation and culture on both sides of the strait, especially the history and culture. The Tieniu Plaza and the Youth Square which are integrated with modern life, have become the most active public event space in Mianyang, the Fujiang Riverside Landscape Promenade fully explores the human landscape of Mianyang embodying the cultural connotation of Mianyang and showing the modern city image of Mianyang.

5.2 Using the native plants to highlight the plant features

The native plants have strong adaptability that can maintain the balance of local ecology and best reflect on the local characteristics, which when we create the local landscapes, we must first consider the types of native plants, and choose the most common native plants in the local area because the featured urban landscapes provide better support and when we create the characteristic of the urban landscape of Mianyang, we should use the local native plants in Mianyang to ensure that the selected plant varieties can grow well while embodying the local characteristics of Mianyang. Secondly, we should explore the local culture of Mianyang and reflect in the deeper regional cultural connotation plants with certain cultural meanings to strengthen the cultural characteristics of Mianyang.

5.3 Shaping the science and technology culture and highlighting the characteristics of the small products and the cultural characteristics of the three countries

Each city has its own symbolism and totem culture and we can extract different patterns and textures from the urban landscape to create the regional characteristics and cultural features of the landscape, which are reflected in the relief and sculpture of the city. The urban furniture such as building essays, trash cans, street lamps, and the city bus stops because the Mianyang regional characteristic landscape can be combined with the Three Kingdoms culture in the architectural essays to shape the sculptures of the Three Kingdoms, in the landscape public facilities and small sculptures, the various elements of the Three Kingdoms martyrdom culture can be extracted for the

construction of landscape facilities in Mianyang City.

5.4 Using technological color and texture to highlight the material characteristics

As an important carrier to reflect the regional characteristics of the urban landscapes, the landscape materials can display different architectural features as the background of the whole city, this architectural feature is the most important step to express the regional characteristics. When we create the urban landscape with Mianyang regional characteristics, we must first select the local construction materials of Mianyang, such as local cultural stone and bluestone block and the use of it is conducive to highlight the regional characteristics and make the color and texture of the whole city unified. As a science and technology city, Mianyang has an advanced scientific and technological achievements resources, in the process of landscape construction, it can also use the most advanced material production technology, such as the 3D printing technology to truly reflect on the technological characteristics of Mianyang.

6. Summary

The urban landscape with the regional characteristics can inherit the local historical context and is of great significance to the creation of sustainable landscapes of China, the landscape architects should be aware of the important role that the regional features play in the urban landscape creation and comprehensively analyze and think about the protection of the natural environment and the continuation of the local historical context and social factors and pay attention to the ornamental and practicality of the urban landscape, and also pay attention to the local historical context. The inheritance of national culture and natural environment, in order to be able to design excellent urban landscape works, can also add up a unique and beautiful scenery to the city and provide certain ideas and references for the construction of the city.

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