

Research on Innovative Ways of Urban Public Space Environment Design

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Abstract: In the process of urbanization, in order to the healthy development of the city, it is necessary to formulate a general scheme of urban operation, the current urban design too much emphasis on the behavior of space availability tend to ignore the environment needs, on the contrary, if too biased towards urban design environment condition will lead to problems such as spatial layout. Regardless of the nature of the planning, it is not conducive to the overall layout of the city. This paper analyzes the ways and directions of urban public space innovation to improve the overall quality of urban public space design.

1. Introduction

The management of urban public space is of great significance to the operation of the city. The correct design of public space is more suitable for the layout of the whole city. Analysis of the current urban public space design, environmental design is a key problem, and to optimize the design of the environment can make the public space of concrete more significant social benefits, and have a positive impact to improve the situation, can also be very good to improve the urban environment, this paper analyzes the current urban public space design, including some ways to design innovation and environment design direction, It provides practical help for urban public space design experiment.

2. Overview of Urban Public Space

Urban public space is a kind of open space, between the construction entity set up and throughout the city or in the urban agglomeration, this place open to facilitate a variety of activities, is also a usual place for public communication, urban residents mainly for the public service, urban public space not only includes artificial park, parking lot, also have the natural environment such as mountain forest and water system, Is the essence of urban environmental and cultural diversity of the carrier, the overall quality of public space construction directly affects the city's overall competitiveness and satisfaction, as a result, policymakers must pay special attention to in the course of the construction of urban public space for the construction of urban public space, urban developers and users also attaches great importance to the creation of public space.

3. Significance of Urban Public Space Environment Design

The importance of urban space design is firstly reflected in two aspects: first, urban space design improves the image of the city, and landscape design is an important part of the design, which is closely related to ecological design and public space design. Strengthening ecological design is also intended to optimize landscape design. Second, the design of urban public space is crucial to the living needs of residents. The life and leisure of urban residents is based on the environment. By optimizing the design and improving the environment, the life quality of residents can be effectively improved.

4. Innovative Approaches to Environmental Design of Public Space in Three Cities

Urban public space environment design is an important part of urban planning. Therefore, it is necessary to introduce specific environmental design methods on the basis of summarizing practical problems. The specific impact of environmental design is becoming more and more obvious. The following article analyzes in detail the innovative methods of urban public space environmental design.

4.1 Reflect the Humanistic Spirit

Summary of the current practice results, humanistic spirit is one of the ways to innovate urban public space environment design, it has the following specific utilization: first, landscape experience, combined with the specific analysis of the current situation, the development of urban landscape reflects people's experience and desire for a specific environment. Therefore, it is of great significance to carry out ecological design innovation on the basis of landscape experience, which reflects the demand of the garden owners for landscape appreciation and the concept of sustainability in urban public space design. However, the garden owners are becoming more and more diverse residents, so they require more experience, so in the design of urban public space, landscape experience must be paid attention to. Participation in art, interactive art and digital art will make the landscape experience more tangible and better reflect the humanistic spirit of environmental design; The second is social experience. One of the main functions of urban public space is to provide a place for citizens to communicate and engage in activities. Therefore, the role of the space environment in society must be considered when designing the environment. People are part of the landscape. People can observe other people's behavior and participate in other people's activities, which is a pattern of sociability. Therefore, in the overall design of space environment, space atmosphere must be strengthened to make the design of public space more practical; The third is the event experience. In the society of increasing consumption, people pay more and more attention to the special experience in the field of space. Sports and other spatial activities as well as cultural activities can be activated in the space on a regular basis, so as to combine the event experience with the spatial experience, space, vitality and charm will be maintained for a long time. Therefore, sports and entertainment facilities related to the activities are the focus of the overall design of the public space environment; The fourth is custom experience, custom experience actually reflect is a kind of human-oriented concept, space designers should consider people's physiological and psychological characteristics, so as to create conditions, to design highly personalized, so as to meet the personalized requirements of people, such as parks and small space garden design, in order to satisfy the treatment of patients with, so as to express the space design of people-oriented, The humanity spirit reflects incisively and vividly.

4.2 Reflect Ecological Consciousness

The first is resilient landscape design, so as to flexibly respond to climate problems and ecological crises. The second important innovation road of urban environmental design is to show ecological consciousness by “urban nature” as the guidance. In modern society, environmental problems are becoming more and more obvious, and people have a strong pursuit of environmental improvement. Therefore, in the environmental design of public space, ecological environment consciousness is of great significance to the construction of “urban nature”; The second is to deal with the shortage of resources. In our specific analysis of air pollution issues, greenhouse effect and extreme weather events are increasingly affecting human beings, and environmental planning in the urban spatial planning process should be based on low carbon, sustainable and flexible spatial planning. Self-regulation of the public space environment will become clearer and solving environmental problems will become more important; The third is energy saving and renewable environmental design. Analysis of the current social resources, water and forest resources are found to be insufficient and other social problems. Thus, the following solutions can be adopted: On the one hand, the development of rainwater collection systems can not only plan the collection, treatment and use of rainwater, but also can be used in the design of urban public environment. On the other hand, urban forest reconstruction is mainly based on reasonable urban land planning, such as planting trees, so that public space can be used as an important place for urban forest construction. According to the report, urban energy consumption accounts for 75% of total energy consumption. Therefore, in the design of public space, it is necessary to clearly distinguish the space system of public space, and actively use the renewable resources of public space, such as fallen leaves entering public space and wind power entering public space. Through specific design and use, public space can be turned into a place for renewable energy recovery.

4.3 Innovation of Landscape Technology

The third innovation of the concept of urban overall space planning is the innovation of landscape technology. The specific application of this method promotes the richness and diversity of landscape design. The first is the combination of public space planning and the latest horticultural technology. Roof garden and vertical green belt as the main design objects of urban energy conservation and emission reduction and increase green space, the use of roof garden and vertical green belt can adopt the latest landscape technology, enrich the urban natural infrastructure and environmental design, strengthen environmental design innovation; The second is a combination of public art practice, under the background of urban public space in a specific environment project should consider various links and activities, fully considered for the populace, considering the mass communication between contains the content such as education and public health, make the public art practice and environment design can fully; Thirdly, by strengthening the connection with digital technology, digital technology reflects the sense of fashion and has a strong leading force. By combining environmental design with digital technology, the design of space environment will be more modern, making the modern urban space more comprehensive, more modern and more clearly.

5. Conclusion

To improve the city image, then leave the city public space environment design, thus to master the ways of public space environment design, in a timely manner to innovation, understand the specific guidance design, thus a reference for future urban development, urban design and development for the future is of great significance, thus it can be seen, It is important to strengthen the innovation and design of urban public space.

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