

Urban Planning Science and Sustainable Development: Municipal Landscape Design

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Abstract:

As the core support of politics, education, and culture, cities play an important role in the continuous development of the social economy. With the rapid development of the market economy, China's current urbanization process is accelerating, so the urban environment and the quality of life of the residents put forward higher requirements. The ultimate goal of urban ecologization is the pursuit of the ideal human settlement environment, the pursuit of urban life while caring for the earth's resources and environment on which we depend for survival. Not only the form of the city's exterior is the internal function, but in the process of urban planning ecologization, how to achieve sustainable development management and planning has become an urgent issue and challenge.

Keywords:

Urban planning; science; sustainable development; municipal landscape design

1. Overview of municipal landscape design

In the context of national economic development, the pace of urbanization is getting faster and faster, especially the construction of residential communities and municipal roads is very common. Municipal landscape design refers to the planning and design of greening projects in the jurisdiction. From an objective point of view, urban construction improves the overall image of the city on the one hand and destroys the original ecological environment on the other. Therefore, in order to avoid the contradiction between construction and protection, it is necessary to ensure the scientific and rational nature of garden design. Specifically, the importance of garden design is reflected in the following: first, residents are the main body of the city, with the improvement of living standards, various survival needs are also increasing. The garden design follows the principle of scientific and sustainable development so that it can improve the quality of the living environment of the residents and maintain their healthy physical and mental state. Secondly, our country has a large area and a large number of cities, in which the regional economic development level is relatively backward, and the municipal construction is not perfect. Landscape design is an important work, and is conducive to the construction of a unified municipal system, so it needs to get more attention.

2. The significance of municipal gardens in urban planning

2.1 Implications for human environment

From the perspective of humanistic environment construction, municipal garden design has a long-term practical significance, because the people in the city life in the quality of the environment directly by the size of the green space in the city and the number of how much to decide, more in-depth, this is directly related to the people's health and safety of life. Nowadays, with the inculcation of social culture, people do not care about the number of skyscrapers in the city unnecessarily but are more concerned about the living environment around these skyscrapers as well as the construction of greening standards. From a biological point of view, living in a good natural environment, the people are more able to be physically and mentally happy, play a huge creativity, and contribute more power to the society. In recent years, China's industrial structure continues to deepen the change, urban pollution has also risen sharply, hindering urban progress. In order to be able to better carry out the development of urban industrialization without affecting the premise of environmental protection, to promote the mutual development of urban industrialization and

environmental protection, to ensure that the urban residents living environment, which requires a scientific, reasonable and effective municipal landscape design.

2.2 Economic development implications

In China, the economy and urbanization can accelerate the development, mainly at the expense of the environment at the expense of the inherent mode of economic construction methods achieved, in today's urban development, environmental pollution has become a major problem, a direct and serious impact on the living environment of urban residents, health and biochemical impacts have become more and more, how to rationally use the resources and do not pollute the environment has always been China's sustainable development in the How to rationally utilize resources and not pollute the environment has been a difficult problem in China's sustainable development. Therefore, in future city construction, municipal garden construction must be considered in the aspect of energy as well as ecological development, under the premise of saving resources, through the scientific and reasonable creation of the economy to promote the ecological cycle of the development model, to ensure that the economic development and ecological construction can be in harmony with each other, and ultimately develop into an ecological and environmentally friendly city. In order to realize the rationalization of urban construction, the following requirements must be met: urban planning as a co-ordination, and garden design should be used as a prerequisite to meet the actual development needs of the city. In future work, garden work researchers in the design, to have a sustainable development design concept, and fully comprehensive urban environment into the investigation, assessment, and urban planning may involve every aspect of consideration, not only to meet the standard of urban greening requirements, but also to enhance the overall level of the city, the development of scientific design guidelines.

3. The relationship between urban planning and garden design

3.1 Garden design is the basis of urban planning

At present, urbanization has brought some negative problems while developing rapidly, mainly in resource shortage, environmental pollution, and other aspects, which are not conducive to the sustainable development of the city. Therefore, it is necessary to establish the concept of long-term development and protect the ecological environment at the same time as economic development. From this point of view, urban planning and landscape design have the same development goal, both of which are aimed at shaping a good city image. Garden design is the basis of urban planning, which can improve the quality of the city, highlight regional characteristics, and ensure that urban construction and environmental greening coexist.

3.2 Urban planning is the guarantee of garden design

Garden design belongs to a part of urban planning; urban planning provides a solid foundation for garden design but also affects the development and implementation of design work. Only by following the scientific and sustainable development concept, urban planning can take environmental protection as the primary goal, to realize the economic and environmental co-development situation. It can be seen that the scientific urban planning program, can guide the smooth implementation of garden design work, to ensure the rationality of the design.

4. Measures for municipal landscape design under the perspective of scientific planning and sustainable development

4.1 Adhere to the principle of human-centered design and encourage public participation in design

Following the policy guidelines of urban planning can widely solicit the views of the masses before determining the implementation of municipal landscape design programs. For the masses of residents to build a good ecological civilization environment, is the ultimate goal of urban planning and municipal landscape design. In order to better practice the people-oriented concept of scientific development, better planning, and construction of suitable urban residents of the ecological ideal environment, municipal landscape design of the relevant responsible units and companies to strengthen the publicity of landscape design. Mobilize the masses to participate in the municipal garden design. In order to obtain the public's satisfaction and recognition. The real realization of the requirements of the people-oriented scientific concept of development. Adhere to the principle of comprehensive, coordinated, sustainable development to consider and implement urban planning and municipal landscape design.

4.2 Optimize urban configuration and rational planning and design

From the perspective of urban green space planning, the link between greening area and the ecological environment is not the greater the greening of the ecological environment is the better, some cities ignore the actual needs of the local pursuit of greening area, resulting in a serious waste of resources. Therefore, in urban planning science and sustainable development under the municipal garden design must be based on the development needs of the city, the demand for greening to carry out a reasonable configuration of the garden area, to the scientific concept of development as an important guiding ideology. Realize the original intention of urban ecological gardening. First, the reasonable configuration of municipal gardens to be able to meet the needs of urban ecological development and public recreational space needs. Ensure the healthy survival of the masses and leisurely living environment. Secondly, the scale of urban ecological planning of municipal garden design areas determines the cost of urban construction. Construction funds are the general public's tax money, so the planning and design of the construction should consider the use of comprehensive and accurate funds, so as not to miss any major losses that may occur.

4.3 Planning appropriate to the needs of the region and design with a localized style

Each city has its own local characteristics and culture, and different cities have different geographic and environmental characteristics, and the demand for municipal garden design is also different. Therefore, according to these differences, municipal landscape design should be able to cope with the implementation of differentiated urban planning under the guidance of the scientific and sustainable development concept. According to the natural ecological characteristics of the local city, the local historical and cultural heritage, according to the local suitable to take the differentiation of the garden design program, as far as possible to ensure that the municipal landscape design of the city's local environmental elements of the accurate grasp to highlight the characteristics of the local region, which requires urban planning leaders and municipal landscape designers to coordinate the division of labor. This requires the coordination and cooperation of urban planning leaders and municipal landscape designers to collect and analyze the natural ecological environment, local history and culture, and other key factors of the urban area without missing any details. In order to ensure that the differentiation of the municipal landscape design function to met. For example, in urban areas divided into educational areas, municipal landscape design should create a quiet and cozy environment with a cultural atmosphere, and utilize greenery and flowers to subtly release the pressure brought by work and study. The actual situation of the city to differentiate, according to the actual needs of the design of the municipal landscaping implementation program.

Conclusion

Landscape design is a part of urban planning work, and has a pivotal role and status. Through the above analysis, it can be seen that the important significance of landscape design is to improve the quality of the living environment of residents, which is conducive to the construction of a unified municipal system.

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