

Analysis on Key Points of Construction and Management of Municipal Landscape Engineering

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Abstract: At present, China has made great efforts to promote the construction of ecological civilization and promote the development of ecological protection and environmental construction. It has important practical significance to maintain the ecological balance and environmental quality of our country. Especially with the gradual improvement in people's awareness of environmental protection, so that the green of the city also put forward higher requirements at the same time with the rising of the level of urbanization. In the process of urban landscape construction, the rational planning of urban landscaping involves a lot of subject knowledge. In the green process, we should fully consider the system of urban development and construction in China, based on the design of urban development and long-term planning of the landscaping project. In addition, we must also consider the traditional layout of the city area and the physical and geographical situation and so on, to enhance the objective and scientific nature of urban landscape. Therefore, it is of great practical significance to ensure the quality of landscaping in the effective management of municipal landscape engineering.

1. Introduction

Although China's economic development has made remarkable achievements in the world, but in the process of economic development in there is some damage to China's ecological environment, especially with the continuous improvement in urbanization level, China's urban areas in the surrounding areas continue to extend at the same time, the original ecological natural environment also caused a certain degree of adverse effects. Therefore, at present, China is vigorously promoting the construction of ecological civilization and urban landscape engineering. Especially in recent years, people living environment, the quality requirements are getting higher and higher, to protect the environment, maintaining ecological balance has become the most concerned current topic.

In the process of improving the living environment of the original damaged city, to improve the urban green area, improve the urban environment has become a top priority. Strengthening the construction management of municipal garden green project is of great significance to enhance the ecological and health of the city. It is mainly reflected on the following aspects: On the one hand, it is necessary to strengthen the construction of municipal landscape engineering to improve the quality of urban environment, especially for urban ecosystems and air environment has important significance to promote. On the other hand, it is mainly reflected on the reasonable planning and arrangement of plants and landscapes. At the same time, we find a balance between the local natural environment and urban development, and integrate the traditional culture, ethnic customs and urban positioning of the city into the urban landscape engineering, to enhance the city's environmental charm, enhance the city's attractiveness to foreign personnel, establish a good image of the city. Therefore, the municipal landscape project is also the city's external image construction project, They have a better role to



promote the development of the city.

2. Problems in Construction Management of Municipal Gardens

2.1 Low Professional Ability of Construction Management

The professional ability and comprehensive quality of the garden green construction management have the vital influence on the construction quality and the management level of the municipal garden green project. It can be said that the management quality and the construction effect of the municipal landscape construction are directly controlled by the construction management personnel. But at present, the development of urban landscape in China is relatively late, with strong professional ability and high overall quality of the construction management personnel less, the theoretical knowledge of most of the construction management staff is very rich, but the landscaping construction management lack of practical experience, which greatly reduced the quality of municipal landscape engineering management. Therefore, the lack of professional landscaping construction management talent is the encountered major obstacle to the current development of municipal landscape construction.

2.2 Lack of Effective Garden Management Construction Mechanism

Only a complete and sound management mechanism can guarantee the orderly and effective management of the municipal garden green project in order to ensure the construction quality of the landscaping project. However, China has not formulated the relevant municipal landscape management mechanism, which will make there are many loopholes in the garden green management process, and the construction management of the existing problems can not be resolved in time, affecting the landscape construction management efficiency and quality.

2.3 Landscape Design Lacks of Reasonableness

In the process of urban green construction, China's relevant provisions of the living area of the green area have reached more than 30%, which is a basic standard. In the actual construction process, some developers in order to obtain economic benefits as much as possible, it is strongly compressed green area, only follow the minimum green standards for green. There are some areas of green area is less than 30%. Seriously affected the quality of life of residential residents. In addition, the construction of municipal green project in the process of some developers lacked of understanding of the actual situation of the local, they did not follow the principle of people-oriented, the landscape green design is very unreasonable, lack of scientific, and may also have some security risks. For example, in some garden areas, in order to regulate air quality, improve the living environment, they dig small lakes in the central area, planting some aquatic plants, and do not set a safety slogan or railing, which will lead to the existence of security risks. Therefore, how to improve the rationality and scientificity of urban landscape designs is the important problem to improve the quality of people's living environment and enhance the aesthetic value and artistry of landscaping.

2.4 Landscape Design Lack of Artistic and Innovative

At present, our people's environmental quality and ecological balance requirements are getting higher, the environmental awareness is also growing, has a new pursuit for the green ecological health lifestyle. Especially the contemporary young people on the individual and innovative requirements are constantly changing. At present, China's urban landscape projects are stereotyped, most cities are based on the development of the city to build green parks, living area landscapes to design is based on shrub landscape, so that lack the urban landscape engineering and artistic innovation. But also lack traditional culture of the full application and integration, lack urban characteristics, they all reduce the city's external attractiveness.

3. Municipal Landscape Engineering Construction Management Content

3.1 Progress Management of Construction

In the process of construction of municipal garden green project, to study the actual situation of the city, combined with the mastery of the perfect urban landscape data to develop a reasonable scientific construction planning program, to ensure that the municipal landscape project construction progress to a large extent, and also ensure that the ultimate effect of municipal landscape green meets the design expectations as much as possible. Therefore, the construction of municipal green project in the construction before the construction of each link and the process should be a reasonable arrangement, especially for the construction personnel of scientific planning, to ensure full play the advantages of each construction personnel. In addition, to ensure the construction times according to the basic process of municipal landscape engineering arrangements for each construction section that the construction progress is reasonable in order to ensure the completion of green construction as scheduled. The basic process of municipal landscape engineering is shown in Figure 1:

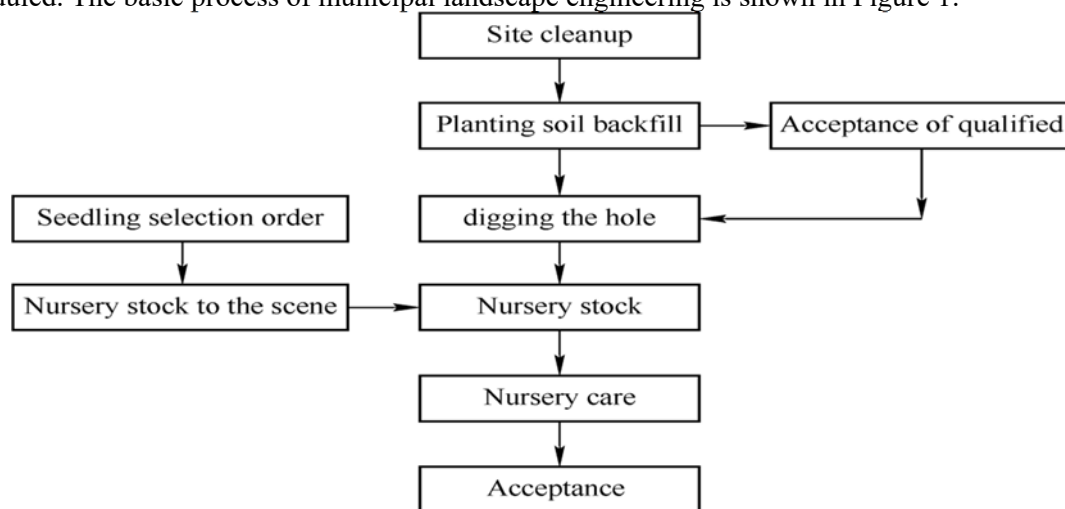


Figure 1 municipal landscape engineering construction process

3.2 Cost Management of Construction

Cost control is one of the important management projects of municipal garden green project construction. In the construction of municipal garden green project, it is necessary to control the cost of landscaping as much as possible on the basis of ensuring the quality of green project so as to ensure that the economic benefits of the municipal green project. In this process, the construction side in particular to pay attention to the municipal landscape engineering costs and project quality control, is strictly prohibited in pursuit of economic interests which do not meet the quality requirements of the standard construction materials, construction equipment. Construction workers in the construction of the cost of green management control, to select the appropriate seedling varieties according to the local situation, reduce nursery stock transportation costs, improve seedling survival rate, but also to reduce the cost of nursery stock maintenance. In addition, do a good job planning of landscaping planning can control construction cost to a certain extent.

3.3 Quality of Construction Management

The quality control of the construction of municipal garden green project is reflected on the construction process of seedling selection, seedling transportation, site cleaning, digging cave, nursery stock and seedling conservation (as shown in Fig. 1). In the construction of municipal green projects in all aspects, do the effective management and control of quality must be based on the actual situation of the construction, In order to ensure that the overall quality of municipal landscape projects meet the requirements of the standard. For example, in the selection of seedling varieties, to select the appropriate seedling varieties or strong vitality of the seed according to the local climate conditions and geographical environment, improve the survival rate and green quality; nursery stock

should also be based on the growth of seedlings to develop a reasonable maintenance management system which is conducive to improving the quality of municipal landscape.

4. Measures to Improve the Municipal Landscape Construction and Management

4.1 Strengthen the Capacity of Construction Personnel Training, Construction of Specialized Construction Team and Management Team

Because the professional ability of the construction personnel and the professional quality of the management personnel have great influence on the management quality and construction quality of the municipal garden green project, in order to improve the construction quality and management quality of the landscaping project, we can carry out the following two aspects: (1) to strengthen the training of construction personnel and management personnel to enhance the professional capacity of construction workers, enrich the professional knowledge of managers to improve the construction of landscaping engineering team of professional and comprehensive quality. For example, we can strengthen the staff training of nursery stock knowledge, so that staff on the nursery stock cultivation and conservation work is more understanding, improve the survival rate of seedlings, and enhance the vitality of urban landscape. (2) to develop a reasonable assessment system, and urge the construction workers and managers according to their actual situation to enhance their level and overall quality, in particular, to strengthen the staff of the professional ethics assessment, to ensure the quality of the staff with good quality. They all can avoid access to economic interests and ignore the quality of nursery stock, construction materials, such as the quality of misconduct.

4.2 Improve the Relevant Laws and Regulations, Improve the Efficiency and Quality of Landscape Construction Management

The institutionalization and standardization of the management work of the landscaping project construction is the top priority to ensure the construction quality and management quality of the municipal garden green project. According to the current municipal landscape engineering construction management problems, you can improve on these aspects: (1) strict control of municipal landscape engineering approval process. Relevant green departments in the approval for the landscaping project, the application plan to conduct a rigorous study, the best conduct of field exploration activities, and from the green program landscape, practical and to evaluate the application program ecological point of view. In the approval process also take into account the green of the city as a whole impact upon the environment, forbidden illegal interests to relax the approval conditions. (2) choose the construction side according to the market development. The construction side of the professional capacity and the overall quality of the impact is an important factor affecting the municipal landscape green. In the choice of construction side, the best in accordance with the principle of market access to the survival of the fittest choice, and to conduct a rigorous review to ensure that the construction side has a green construction capacity to the construction side of the professional qualifications. (3) to develop a strict acceptance system. The construction processes and the construction result of the municipal garden green project is strictly checked to ensure that the construction links to conform to the relevant standard and it is an important content to ensure the construction quality of the landscaping. This requires the construction of links to develop a certain inspection standards, in order to strictly implement the inspection system.

4.3 Strengthen Communication of Construction Workers and Designers, Improve the Scientific Design of Landscape

At this stage, the design and construction personnel of the landscaping project in our country is separated, which will cause the green effect of the design and the green effect after the construction. In order to avoid this situation, to improve the scientific and rational urban landscape design, to strengthen the design and construction personnel communication is very important, especially in the construction process encountered problems must ask the designer, so that designers need to adjust or

change according to the actual construction of the design program . In addition , we should also pay attention to the scientific nature of green plant selection , especially if the green design involve the aquatic plants , it must be based on aquatic plants to the depth of the water requirements of the design , the specific water depth requirements is in Table 1 .

Table 1 Different aquatic plants on the depth of water requirements

Plant type	Water depth requirements	Remarks
Wet plants (Pu Wei, Monkey, etc.)	Rhizome above the water level	should not be long-term soaked in water
Emergent plant (reed, Lotus and so on)	1,10cm-30cm (Shichangpu, etc.) 2,55cm-60cm (water hair flower) 3,80cm or so (lotus)	Rhizome can touch the water, some plants can be potted
Floating plant (water lily, etc.)	60cm—80cm	Rhizome below the surface of the water, potted on the depth of the container to a higher demand

In addition to improving the scientific nature of landscaping to design, designers should also take into account the city's traditional culture and national customs and other factors, they need integrate it in the landscape design to improve the traditional and artistic design of green . In addition, you can also design some special landscape, enhance the landscape design innovation and personalization, improve the city's external attractiveness .

5 Conclusion

In summary, the municipal landscape project has a crucial impact on the external image of a city, but also is an important factor of ensuring the quality of life of urban residents. Therefore, the relevant departments must pay attention to the urban landscaping project. Green project planning and design, it is necessary according to the actual situation of the city, make full use of people-oriented planning concept to ensure that the urban landscape engineering ecological and humanistic, and go on from the perspective of scientific development concept , the urban landscape planning and the city's natural conditions can be fully integrated to improve the ecological benefits of urban development , the construction of green eco-friendly new city .

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