

УДК 712

ANALYSIS ON DESIGN CHARACTERISTICS AND DEVELOPMENT OF MODERN CITY PARKS

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Taking Xi'an Olympic Sports Center Park and New York Central Park as examples, this paper analyzes the design characteristics of modern urban parks and the innovation of the two parks in ecology, culture and humanity. The designers make full use of the surrounding natural resources to create an urban forest ecosystem that perfectly fits the regional environment and offers a diverse range of activities taking into account the needs of different populations. In addition, the design also cleverly integrates local cultural elements, aiming to meet people's pursuit of quality of life, and provides valuable reference experience for similar projects.

Key words: urban parks, green development, landscape architecture, cultural display, ecological sustainability

INTRODUCTION

The study of urban park landscape design is of great significance for improving the quality of life of urban residents, improving the urban environment and promoting the sustainable development of the city. With the continuous development of modern science and technology, good landscape design can promote the health of urban residents, enhance the ecological environment of the city, improve air quality and protect the ecosystem. At the same time, well-designed urban parks can enhance the image of the city, become a landmark and cultural symbol of the city, attract tourists, and promote economic development. New York's Central Park is the first large-scale urban landscape park in the United States, and its melodious pastoral landscape has changed the face of the city and eased the contradiction between urban industrialization and pastoral ideals. Xi'an Central Park makes full use of the ecosystem, as well as the local Yangshao culture and Silk Road culture together as inspiration, making the park a mix of ancient and modern cultures, showing the history and culture of the region. This shows that modern urban park design should pay attention to the ecological and cultural landscape, through the integration of local culture and natural environment, to create a unique and representative urban green space.

PURPOSE

This paper aims to analyze the design characteristics and innovation of Xi'an Olympic Sports Center Park and New York Central Park, and explore the significance and influence of urban parks in landscape design.



RESULTS AND DISCUSSION

Taking Xi'an Olympic Sports Central Park and New York Central Park as examples, this paper analyzes the design features and innovation points of modern urban parks, and introduces and analyzes the landscape design features of the two parks from the aspects of ecological protection, traffic construction and regional culture.

Xi'an Central Park makes full use of the ecosystem, including the construction of an ecological corridor to the river and an urban forest habitat system. The introduction of a large number of native tree species, such as ash, creates a unique autumn scene while retaining and transplanting existing trees as a green memory of urban development. Along the central axis of the park, multifunctional activity places such as Wutong Square, Fengyuping, Qiyuan, Yaocao Garden and Huancui Land are built to provide diversified activity Spaces for the public. Leisure facilities are set up at the junction of the park and the city, making it a place for leisure activities of urban residents, but also meeting the activity needs of residents and business people. In addition, the designers drew inspiration from Yangshao culture and Silk Road culture, and printed representative symbols of countries and cities along the Silk Road on the main road of the park, so that the Central Park integrates ancient and modern cultures and shows the history and culture of the region [1].

New York's Central Park is the first large-scale urban landscape park in the United States, and its pastoral scenery has changed the face of the city and eased the contradiction between urban industrial development and pastoral ideals. Central Park keeps the pastoral landscape intact by settling urban roads into underground tunnels, while the surrounding layers of vegetation gently delineate the park's boundary with the city. There are different walking paths in the park, including a horse-drawn loop, a walking track and a horse track. The main road system is a winding horse-drawn loop, and the layout of trees on both sides controls the rhythm of the horse-drawn view, guiding people to enjoy the landscape of lakes, meadows, woods and so on. The promenade offers peaceful forest paths that contrast with the open landscape, with a variety of floral trees enriching the visual, olfactory and tactile experience. In addition, the park provides different tour routes for people with different preferences, so that different people can smoothly visit the diverse landscape of the park [2].

The innovation of modern urban park should start from many aspects. First of all, we should pay attention to ecological sustainability, through the protection and use of local natural resources, create eco-friendly parks, and improve the quality of the urban ecological environment. Secondly, it is necessary to combine the historical culture and regional characteristics of the city, carry out cultural innovation, and create a park landscape with local characteristics and historical inheritance. At the same time, we should pay attention to the diversity of functions and provide a variety of leisure, entertainment and sports facilities for people of different ages and needs. To sum up, the innovation of modern urban parks should focus on ecology, culture, function and technology, constantly meet the growing and diversified needs of urban residents, and create more dynamic and attractive urban green Spaces.



Fig. 1. Ecological sustainable development

1. Ecological protection: Emphasizing the full use of park ecosystems through cases, including the establishment of ecological corridors and urban forest habitat systems. At the same time, in the planning and design of the park site, through the transformation of the site to create rain gardens, permeable sidewalks, sunken green Spaces, etc., to promote the recycling of urban water resources [3]. These measures help protect the natural environment of the city and improve the resilience and stability of the ecosystem (fig. 1).

2. Functional diversity: Through the construction of multi-functional activity venues and the setting of small activity venues such as sports and leisure areas, business negotiation areas, and landscape viewing areas, the city provides rich and colorful activity Spaces to meet the needs of different age groups and different interest groups. The diversity of functions makes the park an effective complement to urban life.

3. Cultural integration: Draw inspiration from the local history, culture and customs, and integrate it into the park design. This cultural integration not only enhances the uniqueness of the park, but also provides local residents and visitors with the opportunity to relax and appreciate the local history, culture and urban flavor.

4. Plant pairing: Planting different plants in different areas of the park can play a relaxing and pleasant role in regulating the mood of the crowd. For example, planting fragrant lavender, jasmine and other plants in the entertainment area of the enhances the uniqueness of the park, but also provides local residents and visitors with the opportunity to relax and appreciate the local history, culture and urban flavor. square is not only beautiful but also has the effect of dispersing mosquitoes. In the private and semi-private space, gardenia, lilac, rosemary and other plants can calm the mood and relax the body and mind. In the viewing area with colorful herbs, such as ginkgo biloba, sage, farinella, shibazura, etc. Through the careful collocation of plants, as well as its effectiveness in relieving stress, thereby improving the health level of urban people [4].



CONCLUSIONS

In urban planning, parks should be designed so that they are an effective complement to urban life. While the streets and buildings of the city are identical and orderly, the park should offer a vast, open natural landscape that contrasts with the compact atmosphere of the city and gives a sense of comfortable, open extension of space [5].

Modern urban park landscape design needs to follow a series of design principles to ensure that people's needs are met, and at the same time coordinate with the urban environment, pay attention to the protection of the ecological environment and the restoration of biodiversity, as well as the display of local history, culture and regional characteristics, focus on sustainable development, consider the long-term interests of the park, and meet the needs of future urban development.

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АНАЛІЗ О́СОБЛИВОС́ТЕ́Й ДИЗАЙНУ ТА РОЗВИТКУ СУЧАСНИХ МІСЬКИХ ПАРКІВ: ПРИКЛАД ЦЕНТРАЛЬНОГО ПАРКУ ОЛІМПІЙСЬКИХ ВИДІВ СПОРТУ СІАНЬ

Взявши за приклад Центральний парк олімпійських видів спорту Сіань, у цій статті проаналізовано особливості дизайну сучасних міських парків та інновації Центрального парку в аспектах екології, культури та людства. Проектувальники повною мірою використовують навколишні природні ресурси для створення міської лісової екосистеми, яка ідеально вписується в регіональне середовище, і забезпечує різноманітний спектр діяльності з урахуванням потреб різних груп населення. Крім того, дизайн також вміло інтегрує місцеві культурні елементи, прагнучи задовольнити прагнення людей до якісного життя, і забезпечує цінний еталонний досвід для подібних проектів.

Ключові слова: міські парки, зелена забудова, ландшафтна архітектура, культурна експозиція, екологічна стійкість