

Research on the development direction of environmental art design in residential quarters

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Abstract: The outdoor environment of residential quarters is composed of many different types of spaces, which should have their own characteristics, but they also need to be organically organized to form a unified whole, so as to form a distinctive environmental image and meet the needs of residents. The residential environment has both material and spiritual attributes, and it is in a dynamic change with the development of nature and society. The characteristics of residents' activities in different regions, cities and nationalities are different; Residents of different ages and occupations also have different life contents, ways and times of activities, and also have different psychological states and space requirements. Based on the current situation and development direction of environmental art design in residential quarters, this paper puts forward the design concept of environmental art design in residential quarters: green environmental protection, people-oriented, regional characteristics and overall planning. To serve the residents of the community to the maximum extent and make the community environment beautiful and easy to use.

1. Introduction

With the rapid development of well-off society, the continuous improvement of people's living standards and the enhancement of environmental awareness, people have a new pursuit of living quality. Paying attention to the environmental art design of residential quarters and creating a green space where man and nature coexist harmoniously has become an important concept of development enterprises at present. More and more developers use high-quality residential landscape to enhance the value of real estate [1].

In the current environmental art design of residential quarters, influenced by the traditional design concept, the relationship between environmental art design and building area is not handled well, resulting in low landscape coverage and unable to give full play to the important role of green landscape in regulating the surrounding climate and beautifying the environment. And excellent community environment design [2]. It can improve the cultural taste of the whole building in all directions, expand its unique personality, strengthen the selling point of the building, make people shine and stand out in the dazzling real estate market, and bring immeasurable value increment and endless passenger flow to the building, which is beyond doubt.

2. Spatial environment analysis of residential quarters

Generally, a complete set of grass-roots professional service facilities and management institutions can be set up to meet the needs of daily life. However, regular facilities, such as large-scale post offices, supermarkets, hospitals, etc., have to be solved outside the community. The art design of residential environment is a new discipline, which is produced with the development of economy, culture and society and our increasingly urgent demand for our own living environment. It is a new discipline that organizes, transforms and utilizes various natural and artificial environments to make them more in line with human behavior and psychological needs and have higher aesthetic value [3-4]. The residential environment has both material and spiritual attributes, and it is in a dynamic change with the development of nature and society.

The characteristics of residents' behavior activities are restricted by social, economic, psychological, habits, climate, morality, culture and other factors. The characteristics of residents'

activities in different regions, cities and nationalities are different; Residents of different ages and occupations also have different life contents, activities and time, as well as different psychological states and space requirements [5]. Outdoor activities of residents can be divided into three types (Figure 1):

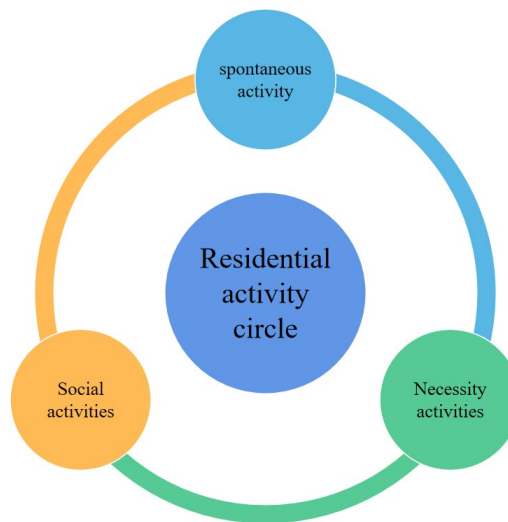


Figure 1 Residential behavior structure diagram

The composition of space environment The space and entity formed by the arrangement of various entities are interdependent and inseparable. No matter what means of space composition, its purpose is to shape the space to meet the needs of residents. The outdoor environment of residential quarters is composed of many different types of spaces, which should have their own characteristics, but they also need to be organically organized to form a unified whole, so as to form a distinctive environmental image and meet the needs of residents [6].

3. Present situation of environmental art design in residential quarters

3.1. Characteristic deficiency

With the improvement of living standards, people pay more and more attention to the environmental art design and ancillary facilities in the community. A successful residential area is bound to have a pleasing landscape. In the artistic design of bad environment in residential quarters, respect for the surrounding environment and the original topography is rarely emphasized, and it is very common to dig up the mountain in the landfill base [7]. At present, the environmental art design of some residential areas overemphasizes the beautification of greening. Large lawns, a large number of plastic shrubs and herbaceous annual flowers are introduced into residential areas, but the lawns are not seen in the Woods, which are all the same greening models, which neither reflects their individual characteristics nor meets the ecological requirements of residential landscape.

3.2. Ignore people-oriented

Judging from the actual investment in residential areas, it is difficult to improve people's quality of life simply by housing. Therefore, through the environmental art design of residential quarters, we can further enrich the internal environment of residential quarters and meet people's basic needs for different spaces. A good residential area, with reasonable layout and unique conception, is conducive to providing people with a good living space [8-9].

At present, the environmental art design of many residential areas mainly stays on the control of green quantity, but lacks detailed research on the residents' behavior and mental needs, and insufficient research on the facilities, venues and recreational projects such as health, entertainment, sports and culture that people need in their leisure time, which overemphasizes formalism, thus making the design tend to be superficial and graphical, lacking cordial and close emotional input, and even lacking the people-oriented design purpose, making people unable to be better.

3.3. Ignore the ecological efficiency of the current environmental landscape

Designers often pay too much attention to form, focusing on the style and form of residential environment to create a good visual effect, ignoring the function of the building itself. Just for the pursuit of powerful visual stimulation, we pay attention to formal beauty, forget to build comfortable and friendly activity space, fail to consider the reasonable opening and concealment of its space from the functional aspect, and there is a small space that is too monotonous and empty.

Greening has the functions of adjusting light, temperature and humidity, improving climate, beautifying environment, eliminating physical and mental fatigue and benefiting residents' physical and mental health. Especially at present, the voice of green residence and ecological residence is rising day by day, and the greening design of residential quarters should be both ornamental and practical. Since the lawn is full of wind, the greening of residential areas is mostly sparse grassland, which completely ignores the important role of trees and shrubs in improving the ecological environment, resulting in a single greening structure and low ecological efficiency in the greening area of residential environment, and also causes expensive lawn maintenance fees.

4. Development direction of environmental art design in modern residential quarters

4.1. Green and environmentally friendly

The planning and design of residential quarters ultimately provides a good environment for people to better realize their various personal and social activities. Therefore, adapting to and meeting people's needs is the basic requirement of residential planning and design. Only innovative and distinctive design can have vitality. The design of residential areas, of course, people-oriented, reflecting the concern for people, especially leisure residential areas. We should take the initiative to adjust ecological factors to make people feel more comfortable with the help of plants and other biological species. Therefore, more biological measures should be considered to give full play to its ecological service function [10].

It is human nature to return to nature and get close to it, and it is also the basic strategy of global development. The process of modern city accelerates the construction density of high-rise buildings, which hinders people's sight and makes their space feel very depressed. We should fully consider the characteristics of local ecological environment, use the characteristics of the base, protect and utilize the original land, vegetation, rivers and other elements, and pay attention to the use of topography. If the hard floor is paved with embedded grass as far as possible, the green area will be increased; The combination of leisure seats and plant planting ponds can not only save space, but also provide people with suitable leisure venues.

4.2. People-oriented

People-oriented refers to the rational planning and construction of urban development with human survival and development as the center, which is the conclusion drawn by human reflection on various problems exposed in the past urbanization process. The environmental art design of residential quarters is measured by human scale, respects people's psychological needs, inherits and develops local historical and cultural characteristics, conforms to the natural law of plant growth, and achieves the organic integration of natural landscape and human landscape. Layout the recreational green space of the community according to people's needs and organize the landscape route of the community.

There are often misunderstandings in the artistic design of garden environment in modern residential areas, that is, they pursue the glamour of the surface form of the residential environment too much, while ignoring the practicality and functionality of the landscape of the residential area, the core of the artistic design of garden environment. At present, in the development of modern residential areas, the artistic design of garden environment is usually set up separately, and designers need to intervene in the planning and design of garden landscape at the beginning of the project. The primary purpose of residential area construction is to meet people's various needs, so the art design of green environment should adhere to the people-oriented concept and be considered

from the perspective of humanization everywhere.

Modern people are no longer satisfied with simple greening and supporting facilities, but pay more attention to whether spiritual needs and aesthetic needs can be met. Therefore, it is necessary to build a living environment with a sense of belonging so that residents can feel relaxed, healthy, elegant and safe.

4.3. Regional characteristics

Any environmental art design should have its own theme, including the general theme and various sub-themes and sub-themes. It is the control and guidance in environmental design and plays the role of drawing an outline. Different design styles of residential areas will produce different landscape configuration effects. Modern landscape gardening techniques are suitable for modern style houses, while local style houses are suitable for gardening ideas and techniques with local characteristics and historical language.

Environmental design should fully reflect the regional and natural characteristics, and the environmental art design of residential areas should grasp these characteristics and create an environment with local characteristics. At the same time, the landscape of residential area should make full use of the landform characteristics in the area to create a creative and personalized landscape space.

4.4. Overall planning

In the process of preliminary design analysis, we should pay attention to the overall planning of garden design, and the related design should pay attention to the unity of science and integrity. The landscape design of urban residential areas should first be scientifically planned, which is an important premise of design planning. Specifically, attention should be paid to the overall planning of landscape design and surrounding environment. In addition to thinking design on the plane, leisure space design should also think in the air and plane. It should be noted that this partition of urban public leisure space is only in theory or design thinking. In layout design and actual construction, all partitions are integrated together to jointly form the small environment of urban public leisure places.

How to organize different environmental landscape works according to different needs in the environmental design of residential quarters is a problem worthy of consideration. As far as the plane layout of environmental landscape is concerned, it basically includes three layout forms, namely, regular layout, natural layout and mixed layout. Regular landscape layout, mainly using geometric patterns to layout; Natural layout is an irregular layout form that organizes the landscape according to the natural topography and landforms. The rhythm and rhythm of the landscape environment can be formed by using the scattered and undulating natural topography. Hybrid layout refers to a layout form that organically combines natural design techniques with regular and neat design methods according to the different functions and needs of each part and the regional differences between them in the landscape environment.

Windows, balconies, doors, etc. in residential buildings are the main elements of space infiltration. Through these architectural elements, community landscape objects can naturally penetrate into many directions of scenic spots. Of course, the landscape frame permeated by the landscape, from square to round, from empty to grating, all revolves around the main scene and environment, and people's leisure permeates it, and people's feelings are fully displayed. When landscape architecture forms a courtyard, we should grasp the layering of environmental art design in the sequence of landscape composition, from secondary to primary, from light to heavy, and let people realize the low tide and high tide of landscape performance. When it is closed, attention should be paid to dealing with the landscape connection and contrast within the scenic spot. Through proper contrast, we can show the landscape focus in the open and the landscape center in the closed.

5. Conclusions

With the improvement of living standards, people pay more and more attention to the environmental art design and ancillary facilities in the community. A successful residential area is bound to have a pleasing landscape. At present, the environmental art design of many residential quarters mainly focuses on the control of green quantity, but lacks detailed research on residents' behavior and mental needs, and insufficient research on health, entertainment, sports, culture and other facilities, venues and recreational projects that people need in their leisure time. Under the condition of interdependence between man and nature, it is the common pursuit of people to open up a leisure life environment in which man and nature are fully close, so that residents who have lived in downtown areas for a long time can enjoy the physical and mental enjoyment of returning to nature, which is also an inevitable requirement for realizing the sustainable development of cities and the harmonious coexistence between man and nature.

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