

Research on the Activation Strategy of Campus Culture by Campus Spindle Plant Landscaping——Take Wenshang Avenue of Wenzhou Business School as an Example

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Abstract: the campus landscape endows the campus culture, spiritual outlook and humanistic atmosphere, and has a strong and silent educational effect. Taking the East Education School District of Tsinghua University and the west gate of Peking University as research cases, this paper studies some problems existing in the construction and greening of the landscape garden. Combined with the actual transformation experience and the idea of adjusting measures to local conditions, it carries out the transformation of roads and greening improvement for the campus. Based on the case study, the design principles of campus landscape reconstruction are put forward, which follow the campus security, coordinate the landscape with the terrain and environment, and highlight the "beauty"; Use the activation strategy of selecting school flowers (school trees), comprehensive application of points, lines and surfaces, enhancing the overall sense of rhythm, careful construction and scientific maintenance to transform.

1. Introduction

Campus culture is a subculture form of specific groups and regions in the social and cultural background. It is a unique cultural form formed in the process of school development. Campus sports activities are an important carrier and organizational form to embody campus culture and promote its development. They aim to give full play to the ontological function of sports and the value of educating people and new people, and build the spiritual soul and value core of campus culture. Therefore, campus sports activities not only follow the general laws of campus culture, but also have their own unique development.

2. Related Cases

2.1 East Education School District of Tsinghua University

The north-south axis of the East teaching area of Tsinghua University is about 1000m long, starting from the main gate of the campus in the south to the swimming pool in the north. Through the axis, each courtyard cluster is connected together to form a main axis such as the main school

gate - the main building - the comprehensive gymnasium - the playground - the swimming pool. On both sides of the Yingbin Road terrace from the main building of Tsinghua University to the east gate are neatly pruned shrubs and neatly arranged street trees, rendering a solemn atmosphere. The surrounding buildings on both sides are designed as parking lots for the transportation of students in class.

The axis space sequence of the eastern education school district starts from the beginning - transition - gradual rise - climax - transition - release - end. During the whole process, the space emotion felt by the passers-by shines from the majestic atmosphere in front of them - the orderly and solemn smooth transition - the passion of the campus culture rippling - the lingering aftertaste.

In this space, plants also have different collocations with the rhythm of the sequence. The landscape at the entrance of the main school gate belongs to the landscape of the main camp. The plants are combined by means of solitary plants and cluster plants to reflect the group beauty of plants.

2.2 West gate of Peking University

The west gate axis of Peking University is a combination of the traditional Chinese architectural group layout and the Western planning concept. It adapts measures to local conditions, the buildings are arranged symmetrically in a scattered manner, and the architectural courtyard layout is rigorous. Entering from the west gate, there is a small paved square about 20m long. Connecting the vertical and horizontal roads, it is a major traffic evacuation site. Continue to walk eastward along the axis, passing through an arch bridge with a length of about 20m and a width of about 6m, and then walk to the office building through a long road with a width of about 6m. The east-west axis is 500m long. The axis space is mainly composed of greening.

The spatial sequence of Ximen axis starts from the beginning - transition - small climax - climax - transition - end. In the whole process, the space emotion felt by the passers-by is reflected from the implication of the ancient Chinese traditional architecture - the transition of being approachable - the suddenly open climax - and the aftertaste is still lingering.

In this space, many cultural landscapes, such as the west gate, alumni bridge, Huabiao, Weiming lake, are arranged on the axis of the west gate. In combination with trees such as pine and cypress, a simple campus landscape with oriental charm is formed, and a good landscape pattern is formed at the entrance of the campus.

2.3 Strategies for activating campus culture by plant landscaping on campus spindle

Summing up the above cases, it can be concluded that the configuration of boulevards and lawns in the landscape can set off the atmosphere of the building. Ancient trees are interspersed during this period, reflecting the historical and cultural heritage of the campus. In the highly ceremonial axis space, large lawns, large green spaces and determinant trees are used to reflect the sense of ceremony and ensure the continuity of sight. For those non main axes, the node mode can be adopted, which is relatively independent of the whole, and plays a role of contrast and contrast to the surrounding environment. The recreational landscape is also essential in shaping the axis. Combining it with the composition and terrain and adding the cultural connotation and artistic conception of the landscape can often create a landscape that can cultivate people's sentiment. The buildings are relatively independent, and the greening is also arranged around the buildings, making the buildings more introverted.

3. Wenzhou Business College South Campus Wenshang Avenue

3.1 Landscape Greening Status

Wenshang Avenue is located in the southwest of the campus: East-West, starting from the international building in the East, connecting the municipal road to the complex building in the West (not planned), the open-air playground in the north and the third canteen in the south of the road; At present, the peripheral municipal ring road is not connected. The current situation is as follows:

1). The existing main plants include Ginkgo (deciduous plants), cherry (deciduous plants), Osmanthus (evergreen plants), step grass (ground cover plants), red flower stepwood hedgerow (color leaf plants), etc.

2). At the present stage, plant planting forms: row and column symmetrical planting, which has formed a symmetrical landscape skeleton, with a tree shrub grass triple plant landscape level; It has a good flower bed planting bed foundation, forming a certain sense of axis.

3). Sense of sequence: the plant landscape is not coordinated with the overall space, forming a certain sense of rhythm. The overall key nodes are not prominent, and the mood of the overall space created by the plants is relatively flat.

3.2 Activation policy

1). School flower (school tree) selection

Each school can choose a tree or a flower as the school tree and flower. For example, magnolia is the school flower of Fudan University. Magnolia blooms in spring, with bright wreaths and subtle fragrance. Teachers and students call it "the gentleman in the flower". The school flower of Xiamen University is the Phoenix flower. "The Phoenix flower blooms for two seasons, one season for graduates to leave, and one season for freshmen to come."

The determination of the school flower can be combined with a series of activities launched at the opening ceremony of Wenshang Avenue, and can also be combined with Wenchuang products of our school, so that students can have a deeper attachment to the school, better spread our culture and school running philosophy, and make specific plants become the unique label of Wenshang merchants.

2). Comprehensive application of "point", "line" and "surface" planting forms^[1]

The landscape greening of a campus with perfect scale often has three planning patterns of "point", "line" and "surface". The application of these methods constitutes a rich greening landscape of the campus and is an important part of the axis space of the campus. At this stage, Wenshang Avenue only uses the planning pattern of "line" and ignores "point" and "surface". Based on the current greening, the "point" and "surface" shall be expanded. The solution is as follows:

The "dot" type can cultivate potential ancient and famous trees and increase the sense of massiness of campus culture by adding local characteristic trees and giving them special meaning of story background. For example, at the beginning of the axis and at the entrance of the international building square, if cypress trees with good shape are added, the vigorous and tortuous tree shape is just like the struggling and entrepreneurial spirit of businessmen Wen who are frustrated and make tree cards for them.

The "face" type can be optimized by increasing the richness and tidiness of the face. In the sculpture flower bed at the intersection center of Wenshang Avenue, flowers and hedges with different heights can be planted to form specific seasonal phases and patterns. At this stage, there is already a rudiment of Cherry Blossom forest, which can be expanded and strengthened, and the planting of "surface" flowers in the lower layer can be increased.

The "line" planning can increase the curve flower border and form a staggered "line" planning layout with the upper trees. ^[1]The upper "line" of the "line" is not only the canopy line formed by trees, which echoes with the architectural modeling of the business school, but also increases the richness of the skyline of the upper space of Wenzhou business school.

In general, based on the existing plant foundation, local optimization is carried out to highlight the characteristics and themes of different road sections through "points", "areas" show seasonal changes, "lines" connect the overall space, create integrity, and reflect the overall atmosphere.

3.3 Enhance the overall sense of rhythm

According to the characteristics of each part of the axis of Wenshang Avenue, the plant configuration level at the entrance node of the gate should adopt the arbor ground cover structure to highlight the grand momentum, and add a landscape group locally. In the transitional stage, the structure of "Joe - irrigation - ground cover" can be adopted. In the climax stage, Arbor - high shrub - low shrub - flower border - ground cover is used. The end stage can echo with the entrance and adopt the Joe ground cover structure. ^[2]

3.4 Meticulous construction and scientific maintenance

Strengthening the maintenance and management of greening is also an important part of campus greening adjustment and transformation. Only by implementing scientific greening maintenance and management technical measures, following the natural growth law of plants and carrying out scientific management can we ensure the good state of greening landscape. ^[3]Garden trees, ancient and famous trees, flowers and shrubs shall be carefully pruned and maintained. For most of the open green spaces mainly planted with trample resistant grass, it is only necessary to prune and fertilize regularly.

4. Summary

"Running a university on the cultural level" has been the consensus of the development of colleges and universities. How to embody campus culture in campus greening design is a big problem related to the future development of universities. ^[4]Based on the existing relationship between campus culture and plant landscaping combined with garden elements, this program focuses on the analysis of the relationship between plant landscaping and campus culture of Wenshang Avenue in the South Campus of Wenzhou business school, the enclosure of campus cultural activity space and the construction of campus cultural atmosphere, The preliminary scheme of how the plant landscape in each functional zone reflects the campus culture is explored.

Acknowledgements

1). 2021 self raised project of Wenzhou philosophy and social science planning project "Research on public space renewal strategy of historical and cultural blocks based on the background of healthy city -- Taking the historical and cultural block of Sumen Street in Wenzhou as an example"(Item No21wsk158)

2). Wenzhou Business College's 2020 provincial first-class course "public landscape design"(Item NoSJ2020YLKC06)

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