

Small Gardens As The Main Objects Of Landscape Architecture In The Rural Areas Of Uzbekistan

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Abstract: the paper presents if issues on rural small gardens and gives the analysis of architectural - theoretical bases of their formation.

Index Terms: a small garden, landscape design, illumination, flower design, planting greenery.

THE main object of landscape architecture of a village is a small garden. A small garden is a limited space located near the public, residential or industrial building and formed with the use of the means of a landscape design. In villages it can take the territory from 0,2 to 1,0 – 2,0 and sometimes up to 5,0 hectares. To small gardens in villages we usually regard green territories of administrative buildings, medical institutions, sport buildings, kindergartens, schools, colleges and etc.,. Small gardens are located in a residential building too. It is a garden of a residential group, a personal plot, in a cottage building and others. Small gardens are quite compacted according to their occupied areas with a certain landscape theme, they can become as a part of planning structural of rural parks or parks in district centers. It should be noted that to small gardens we also refer gardens in inner courtyards [1]. Formation of small gardens planning structure is largely determined by the specificity of functional use and as well as the sizes of the territories and configuration in the plan. The limited area of a small garden makes us provide the planning techniques, illusively increasing the space. The most optimal form of the site for designing a small garden is a square or a rectangular with the sides ratio of 1:2. By the layout style small gardens can be regular, landscape and mixed. The choice of a small garden technique depends primarily on functional purpose, which determines the choice of the means of a landscape design, small architectural forms, vegetation, water and other devices. A garden at the administrative building or at a village office, should be strict, logical by planning arrangement with the application of the mixed technique of laying out [2]. Here, the appropriate corners of natural environment with the mobile landscaping can be used. They can be represented by a mobile composition of the vases or bowls of flower components to be placed in various compositions.

A garden at the administrative building should be well illuminated illumination allows to create inimitable artistic image of the evening small garden. Special illuminating scenarios and variants of ordinary and festive illumination can be developed. A small garden with illumination of water devices looks like especially effective. The most impressive artistic effect makes illumination of water from inside, for which illuminating devices not subjecting to water destruction can be used. Artistic image of a garden can be created by using flower arrangements both regular and landscape. Here, it is expected to place mixborders, rock gardens, rockeries in combination with decorative ponds. When placing plants, it is necessary to take into account sun exposure that is to achieve over shading the area during the hours when it is used most of all.



Fig.1. Landscape solution at administrative buildings

Flower design of a small garden has it's peculiarities. As a rule, groups of perennials and annuals and as well as ground cover plants are used in a small garden. They create the necessary decorative effect and perform a spatial – organizing function [3].

Small gardens at medical institutions - of villages in Uzbekistan have clear zoning caused by functional purpose of a medical complex. It is better to have a small garden on the southern side of a building. A system of laying out can be regular and picturesque. It is choice is determined by the topography, availability of the existing green spaces and others.



Fig.2. Landscape solution at medical institutions

The garden should be well isolated from external negative factors. The main thing in forming a small garden at medical establishment is vegetation. The range of plants for greenery of a small garden should be carefully considered taking into account psychological impact on patients. Factors of the positive influence created by trees, shrubs are determined by their forms of a tree crown, their heights, color of leaves, flowering and fruits, aroma and rustle of leaves. For example, tracts of trees and shrubs of the peaked coniferous species (fir tree, Balkan, jumper vulgar which create uneasy outlines) acts as an useful irritator of visual perception, promotes to raising mood. Tree and shrubs tracts (sycamore maple, horse chestnut, plum, wild cherry and ligustrum vulgar) help to eliminate nervous strain and others. The landscape of a small

garden under its active use for recreational purposes can have a significant effect and on a human body, that is why a clinic small garden is a distinctive hospital, addition to the sanitation treatment carried out in the hospital. It should be noted that in the years of independence in the villages of Uzbekistan, small cottage garden with locked houses having the area of 0,6 hectares were practiced on a large scale. These gardens (plots of lands) have the most variety of architectural – landscape solution. In rural cottage houses of Uzbekistan, as a rule the following main zones are located: vegetable garden, garden berry plantation, a zone of individual or quiet relaxation, children's sports, a recreation zone for the whole family. Placement of the zones at a plot of land should be carried out based on a relief, direction of predominating winds, orientation on the light sides and others. The base of the garden layout is to create maximum leisure facilities, integral combination of internal and external spaces, the use of new building materials and technologies. Of all landscape components vegetation is the principal means of formation of the territory of any personal plot. With the help of vegetation, we can provide good solution from environment, if it is necessary [4]. The limited area of a small garden makes use the variety of planning techniques increasing its illusory space. So, for instance, the path leading to home is designed with some curves and traced diagonally, revealing one or the other fragment of a garden. The diversity of the area is created by using the geoplastic methods. Particularly, it is expedient to create small breast – walls, slopes, stairs in combination with plant groupings. It is necessary to consider carefully planting the space of a small garden. Plants should be varied in color, size, texture and drawing. Florist design should provide a decorative effect in spring, summer and autumn seasons of the year. At personal plots, the variety of flower compositions can be used, but the most spectacular here rock gardens combined with ornamental ponds and a small cascade or a waterfall can be used. A rock garden can be made of sandstone, limestone, travertine and etc.,. The basis for the rock garden is soil, moved from the foundation area of a decorative pool. In rural small gardens in Uzbekistan at present at cottages, water devices with dynamic and static state of water are used. Water devices, as a rule, have picturesque outlines and a huge emotional impact. In many small gardens water devices are placed directly near the cottage. They can be framed either by natural stone or by a concrete board. Around them footpaths are created for the review of a small garden main composition. The artistic idea of the limited space a small garden are opened in motion from certain view points. The main point of the view is a terrace adjoining the cottage with the magnificent view of the water system devices in combination with vegetation.

Small gardens at industrial enterprises of Uzbekistan are intended for organization of a short time rest of the workers. Their architectural – landscaping solution should take into account the specifics of the production process and help to reduce fatigue, caused by the production process. Here, it is expedient to place small architectural forms: benches, shady canopy, pergolas, etc., in combination with water devices and elements of geoplastics. If an enterprise operates in several shifts it is necessary to place lamps. Small gardens can be directly created near the shops, if these shops are not sources of large industrial emissions.



Fig.3. Landscape solution of infrastructure on industrial enterprises

The advantage of such small gardens should be given to flower decoration and lawns. Trees and shrubs serve only as an accents, background or they are intended for the necessary shading of the territory. The range of plants for small gardens planting greenery on the territory of industrial buildings in villages should be selected in view of the specifics of the enterprise and production, environmental conditions and peculiarities of placement in the planning structure of the settlement. First of all, it is necessary to take into account the stability of plants to microclimate conditions, stipulated by the character of the production process. The elements of green – planted compositions are massifs, landscape groups, drill and single plantings, vertical greening, hedge rows [4]. In general, in landscape groups, the same species of plants are used. The width of the group should be the trees of a lower height. Drill plantings are created in the landing of transport roads, production shops. They can supplement vertical gardening and created to protect buildings from sun exposure, noise, dust and other negative factors. It is expedient to use shrubs planting in many manufacturing enterprises. Hedges operate both as a protective and spatial – organizing function. The most common free – growing hedges are beautifully flowering shrubs, requiring less maintenance. Sheared hedges are used on memorial sites. Hedges can be used as a territorial fence. In these cases, they may be of a two or three row of thorn bushes. In small gardens at manufacturing plants several types of coatings are used, but the main type of covering should be lawn. Lawn coatings has not only decorative but also sanitary – hygienic purposes (retains dust, clean the air, reduce the temperature, increases humidity). On the background of lawn a variety of floral compositions can be placed. Thus, keeping and implementation of the above – mentioned conditions and features of small gardens can significantly improve the quality of landscape architecture in modern villages of Uzbekistan.

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