

The specific features of the modern educational process makes it necessary to expand the range of premises in a limited space in the functional blocks of the standard projects of 60-80 years of the 20th century.

Currently, there are about 20 types of preschool institutions of various forms of ownership, which offer a wide range of services in the field of preschool education, upbringing and leisure.

With the introduction of the standard DBN B.2.2-4: 2018 "Buildings and structures. Preschools institutions" the design norms of the buildings for this purpose changed. In connection with the changes of the regulatory documentation, there emerged a necessity for reconstruction and overhauling of the existing fund of buildings of preschool institutions in operation. Functional regeneration is required for the building of preschool educational institutions, which have temporarily received the status of administrative, industrial and other types of constructions.

The results of the study prove that generalization of the data on the nomenclature of premises, typical buildings of preschool institutions do not have the required composition of the premises. The area and configuration of the existing classrooms in the kindergartens exclude the possibility of implementing and conducting various forms of classes for preschoolers' learning.

The stable elements of the buildings for preschool institutions are determined, which correspond to the main activities: space for active exercises and team games; individual spaces – group space and walking area. The expansion of the forms of preschool education causes a change in the existing structure of the related buildings. The necessity of planning transformations for the functional blocks of the rooms is established. In connection with the urgency of approaching the problems under consideration, the search for potential solutions for planning the architectural environment of preschool education becomes especially important, namely, reconstruction of the existing fund; development of a new standard project or a new type of building for children; formation of a new model of preschool institutions.

## **RECONSTRUCTION OF RECREATION PARK " ZELENY GAI" IN KHARKIV**

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Problems related to reconstruction of cities, harmony between nature and human activity and many others, become questions of issues for many scientists. A lot of beautiful places on our planet were destroyed due to incompetence or

the unprofessionalism of those people, who were involved in particular projects. One of them is a park “Zeleny Gai”, which located in the city of Kharkov. And in this paper, we want to consider the plan for the reconstruction of this park.

A number of specialists from different fields, such as Herzberg L., Pkhor E., Kapelyush Y., Vergunov A., Vysokovsky A. and others studied the problem of reconstruction of park objects.

At present, in the context of urbanization, as well as technical and scientific progress, and the demographic situation, with the general deterioration of the health of the inhabitants of large cities, the importance of parks is of great importance. It is as places of psychological, physical recovery, social adaptation of adolescents, their rehabilitation in society and other various groups with maximum use of natural factors of the park [1].

For a long time maintaining of the park “Zeleny Gai” was suspended, it needed reconstruction. In 2018, the attractions were in an emergency condition, which led to their dismantling. In addition, there were no communications in the park, in particular, lighting of the vast majority of the territory. Despite this, the park has a unique landscape and retains its significance due to the large area with plenty of trees.

Let's consider reasons for necessity of park reconstruction. As Vergunov A. says at his work: “The neglect of park plantations, outdated zoning of the territory, the identification of areas of historical and cultural value - these are the reasons for the reconstruction [4]”. Kapelyush Y. notes that the main problem in the reconstruction of historical parks, monument parks arises due to the gap between their historical planning and the modern needs of the visitor. The task of creating comfortable conditions for recreation is set in a new way, not only creating sanitary and hygienic and microclimatic conditions, but also improving the aesthetic qualities of the park's environment and its pedestrian accessibility. The main direction of reconstruction work is, as a rule, to improve the conditions of recreation of citizens, the proper use of the natural environment of the park, but the population itself is as if away from the direct transformational activities. As a result, the needs of the population were taken into account only to the extent that they were perceived by specialists, which, of course, did not always reflect the real needs of visitors in the organization of the park environment [2].

But now situation have changed. In 2019, residents of the city collected 5,000 signatures under a petition for the complete reconstruction of the park. Already in 2019, work began: they installed a playground, a playground for dogs, and repaired the alley to the street. According to data published on the website [city.kharkov.ua](http://city.kharkov.ua), in 2020 it was planned to renovate the central alley in the park, " Zeleny Gai" [3]. In 2020, the work continued, in particular, the paths were asphalted, the central alleys were illuminated, benches and anti-vandal bins were installed, a sports ground was equipped and the existing playground was expanded.

In the autumn of 2020, the park was finally renovated, but we should name several remarks. In the very centre of the park, we would very much like to see a large fountain, which could become a visit card of this park. And also, to equip vicinities of a fountain with abundance of benches.

We also believe that parks are places that are often visited by young people. Therefore, citizens would like to see sports grounds for basketball, football, table tennis and other sports there. As we consider, it would be interesting, for example, to hold competitions and tournaments in one or another sport every weekend, this would help attract visitors. And, in our opinion, without attractions reconstruction won't be complete. Ten years ago they actively worked and attracted hundreds of visitors to the park. Therefore, we believe that it would be very useful to restore them.

Therefore, the issues of reconstruction and improvement of parks are very relevant in modern society and require the involvement of the best specialists in the field of urban planning.

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## ECOLOGICAL ARCHITECTURE

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Humanity has accomplished amazing designing achievements that can be seen all around the globe. Humanity began to create very diverse projects from staggering innovation accomplishments to fantastic man-made structures, from late history to achievements a great many years old, which demonstrate that when individuals cooperate to achieve a shared objective, there truly is no restriction. Here are some of the greatest engineering achievements.

Taking care of the environment is gradually becoming an integral part of modern life. The preservation of nature in urban areas is the most urgent problem because modern megacities are literally suffocating due to the lack of