MEASURES TO ELIMINATE LANDSCAPE PROBLEMS OF THE RESIDENTIAL CENTER

I. I. Ibragimov

Assistant, Department of Construction of Buildings and Structures, Fergana Polytechnic Institute, Fergana, Republic of Uzbekistan E-mail: i.ibragimov@ferpi.uz

A. U. Abduraxmanov

Assistant, Department of Construction of Buildings and Structures, Fergana Polytechnic Institute, Fergana, Republic of Uzbekistan E-mail: a.u.abduraxmanov@ferpi.uz

Annotation

Landscaping of residential areas, landscaping is an integral part of the construction industry. It is the designer's job to find the right and effective solution for the area. Problems solved in the area will assess the designer's knowledge and skills.

Keywords: greenery, village, garden, infrastructure, urban planning, landscape, housing, architecture, project, population, territory, apartment.

Introduction

The fact that the population is provided with housing in an area with convenient infrastructure has a great impact on their well-being and quality of life. The development of the social sphere, housing construction and beautification of settlements have always been topical issues in the construction industry.

Over the past years, the state has allocated a lot of time and money to the construction industry to improve the living standards and quality of life of the population living in the region. Development of engineering, road and transport infrastructure, a drastic increase in the level and quality of housing and communal services, provision of quality drinking water and systematic sanitation, beautification of settlements, improvement of living conditions, with comfortable housing provision is among them. So we can see that the construction industry is comprehensive, directly related to human activity [1-7].

The Main Part

ISSN: 2776-0987

Providing spiritual and cultural recreation to the population living in the residential area is a unique issue. To establish a community centre for the population in the region, it is necessary to take into account the population. Design work is carried out through the documents "Rules of urban planning". All construction work in these documents is carried out according to the established norms [8-13].

Volume 2, Issue 11, Nov., 2021



Figure 1. An example of a community centre for the population in the region

Schemes and projects of district planning of the system of public centres of settlements, depending on the architectural and planning schemes of the territories of agricultural enterprises, may be developed in the following composition: public centre acting as an inter-village service centre; neighbourhood centres [14-21].

The planning solution of the community centre envisages the consolidation of areas that are close in terms of function and the use of enlarged company models in the construction of the community centre to increase savings [22-29].

The residential area will in any case be smaller than the urban area, which will ensure easy pedestrian traffic to its centre. That is why a monocentric system is used in rural areas. Cultural and consumer services enterprises are located in a single community centre. In some cases, the school building may also be part of a community centre [30-35]. This allows the adult population to use the school's public rooms, gym and sports fields in the evenings.

ISSN: 2776-0987

The following basic principles should be followed in the design and organization of the system of green areas of settlements:

Volume 2, Issue 11, Nov., 2021

- 1) Equal distribution and placement of large green areas along with the territory of the settlement. This requirement applies primarily to general-purpose orchards;
- 2) Ensuring the continuity and continuity of the system of green spaces in the territory of the settlement. This principle is realized by connecting the green area of gardens and parks to each other by means of green alleys, streets, sidewalks, squares, squares and beaches, creating their integrated and continuous common system of green areas;
- 3) Interconnection of green areas located inside and outside the settlement and bring them into a single complex solution. This demand is met by releasing the green areas inside the settlement from the functional and compositional point of view to the area of greenery and ornamental gardens outside it, creating a unique green "ponas, belts" that penetrate into the seliteb area is achieved.





Figure 2. Green areas inside and outside the settlement

The following three main tasks need to be addressed in the organization of the green system:

- Functional task the creation of green areas for various purposes, including the creation of parks and other green areas for the rest of the population;
- Sanitary and hygienic task improving the ecology and microclimate of the urban environment;
- Architectural and artistic task the organization and formation of an architectural and landscape environment that is artistically integrated and aesthetically appealing.

ISSN: 2776-0987 Volume 2, Issue 11, Nov., 2021

Adherence to the norms and principles of landscaping, adherence to the above principles and forms of their architectural and landscape organization will ensure that our cities and villages are not only ecologically clean, climate-friendly but also a cultural and aesthetic point of view can also achieve better results in terms of.

For larger indicators, public centres (excluding parks and flat sports facilities) may be designated on the basis of 8-12 m²/person (larger indicators for residential areas). Along with the recreation area, the landscape of the area is also important. If the landscape issue in the area is solved positively and effectively, it will add a special beauty to the appearance of the area.

Today, the architecture of our residential areas depends not only on the application of new and improved architectural design but also on the architectural classification of buildings under construction in the village, that is, the ensemble and complexity of rural construction. Because it is only such a complex and ensemble, only the buildings in the form of a complete landscape, that add beauty to the beauty of our villages and allow us to further enhance and improve the beauty of rural construction. Architecture, like a mirror, is a reality that reflects the life of the villagers, their current living standards, socio-economic status, the level of development of rural society and, finally, their construction culture [31-38]. Landscape architecture is the creativity of people who have lived and worked under the influence of that space and time, reflecting the material, spiritual and cultural values, aesthetic views and riches of society at all times, in different places and times. is the fruit of his activity. The creative factor of a person is always reflected in the work of architects in harmony and harmony with customers and builders, their skill, talent, skills, culture, which in turn depends on their knowledge, professionalism and experience.

Prospects for the development of residential landscape architecture and design should be determined following the specialization of agricultural enterprises in the regions, rural land use schemes and projects, the formation of rural agro-industrial complexes, taking into account urban planning and landscape planning. It should be envisaged that the network of public service enterprises and institutions in rural areas will consist of a single system that will cover all settlements, workplaces and recreation areas. The general principles of formation of the structure of urban planning and landscape planning of the territory of rural settlements take into account the climatic zoning of the territory of the Republic of Uzbekistan (deserts,

ISSN: 2776-0987 Volume 2, Issue 11, Nov., 2021

desert oases, foothills, newly developed lands and mountains) (QMQ 2.01.01- 94 "Climatic and physical-geological data for design"). The planning of rural settlements and agricultural enterprises should be based on the concise location and interdependence of the territorial functional zone, rational planning in accordance with the community centres, engineering and transport infrastructure of the region, its effective use depending on the location of the region in terms of urban planning., it is necessary to ensure comprehensive consideration of the historical architectural and urban traditions of our people, the natural climate, landscape, national and other local features. Planned solutions and methods of construction of open environments and areas in rural areas of the country, ensuring a favourable microclimate of housing, creating favourable conditions for the villagers to live and work in the desired way, creating optimal conditions for personal subsistence farming and In addition to the economy of the style used, it is also required to have a high architectural and artistic quality. For the territory of villages and settlements, higher, sunny places should be chosen, close to natural water sources, beautiful trees, beautiful landscape, airy, where rainwater does not accumulate. In areas with strong storms and windy areas, it is advisable to plant tall trees around the dwellings to block them, or to choose a place with a lot of forests and giant trees for this purpose. These factors play an important role in protecting the residential area from dust and dust, sand, cold and dry hot candles, atmospheric air and the purity of the environment. The use of natural and climatic conditions of the place is also of great importance in enriching the environment, architectural and landscape quality of rural landscape architecture. For this purpose, it is especially important to include in the composition of the designed environment the existing green trees, open water basins, beautiful slopes of the terrain. The landscape and the landscape of the villages will be more beautiful when the historical solution of houses, passages (streets), streets and houses are designed taking into account these natural conditions. Establishment of green zones for recreation and public celebrations within the territory of open spaces, architectural and design improvement of such zones and streets and residential areas, giving them an artistic aesthetic, general recreation areas works such as connecting shale-shaded neighbourhoods with shady cool footpaths can be combined with the above methods as factors that give a rural landscape and a landscape tone to the entire rural architecture. From this point of view, especially in the conditions of our republic, in accordance with the ISSN: 2776-0987

requirements of the natural climate, the recreation areas of sidewalks and public green areas must be cool and shady. While this can be done in areas with favourable landscape and climatic conditions with the help of landscaping and various landscape devices, in the desert and dry grassland areas a variety of small architectural forms and devices (umbrellas, ishkom, galleries, co. This can be done using voices, integral volumes, etc.). The planning solution of a residential area also depends in many ways on certain engineering factors. For example, if an open irrigation system is dug in the village, the planned solution of the residential area will have a straight line. This factor loses its effect in the foothill villages, as the irrigation stations on the slopes are curved according to the topography and have almost no effect on the housing plan. When the irrigation systems use closed (along the pipelines) automatic irrigation points, the planned solution of the dwellings can have any appearance, regardless of this factor.

Volume 2, Issue 11, Nov., 2021

References

- 1. Akhrarovich, Akramov Husnitdin, Makhkamov Yuldashali Mamajonovich, and Umarov Shodiljon Abdugofurovich. "Development Of Deformations In The Reinforcement Of Beams With Composite Reinforcement." The American Journal of Applied Sciences 3.5 (2021): 196-202.
- 2. Djurayevna, T. N. (2020). Influence Of Surface Additives On Strength Indicators Of Cement Systems. The American Journal of Applied sciences, 2(12), 81-85.
- 3. Djurayevna, T. N. (2020). Building Materials Determined In The Architectural Monuments Of Central Asia. The American Journal of Applied sciences, 2(12), 77-80.
- 4. Umarov, S. A. (2021). Development of deformations in the reinforcement of beams with composite reinforcement. Asian Journal of Multidimensional Research, 10(9), 511-517.
- 5. Tolqin, Akhmedov. "Ancient greek and ancient rome architecture and urban planning." The American Journal of Engineering and Technology 3.06 (2021): 82-87.
- 6. Goncharova, NI, Abobakirova, ZA, & Kimsanov, Z. (2019). Technological Features of Magnetic Activation of Cement Paste "Advanced Research in Science. Engineering and Technology, 6 (5).

ISSN: 2776-0987 Volume 2, Issue 11, Nov., 2021

- 7. Uralov AS, Hamidova DA Methodical manual on the formation of landscape-related devices of landscape architecture and design. Samarkand, 2012.
- 8. Muminjon, N., & Dilshodjonugli, N. S. (2020). Improvement of transformer protection elements. Academicia: An International Multidisciplinary Research Journal, 10(6), 394-398.
- 9. Muminjon, N., & Valievichmaster, R. F. (2021). The availability of natural gas and the cost of building power plants. Academicia: An International Multidisciplinary Research Journal, 11(3), 1769-1771.
- 10. Numanovich, A. I., & Abbosxonovich, M. A. (2020). About The Special Regime Of Use And Standards Of Land Plots And Their Buffer Zones Located In Borders Of Roadside Strips Of Highways Of The Ferghana Region Of The Republic Of Uzbekistan. The American Journal of Engineering and Technology, 2(09), 77-81.
- 11. Goncharova, N. I., Raxmanov, B. K., Mirzaev, B. K., & Xusainova, F. O. (2018). Properties of concrete with polymer additives-wastes products. Scientific-technical journal, 1(2), 149-152.
- 12. Гончарова, Н. И., Абобакирова, З. А., Абдурахмонов, Д. М., & Хазраткулов, У. У. (2016). Разработка солестойкого бетона для конструкций с большим модулем открытой поверхности. Молодой ученый, (7-2), 53-57.
- 13. Бахромов, М. М., & Рахмонов, У. Ж. (2019). Дефекты при проектировании и строительстве оснований и фундаментов. Проблемы современной науки и образования, (3 (136)).
- 14. Djurayevna, T. N. (2020). Building Materials Determined In The Architectural Monuments Of Central Asia. The American Journal of Applied sciences, 2(12), 77-80.
- 15.Ogli, X. A. M. Development of effective cement additives for the production of heat-resistant concrete based on technogenic waste" International Journal of Researchculture Society. India (2019. 12. 12).
- 16.Egamberdiyev, B. O. (2020). A Practical Method For Calculating Cylindrical Shells. The American Journal of Engineering and Technology, 2(09), 149-158.
- 17. Davlyatov, S. M., & Makhsudov, B. A. (2020). Technologies for producing high-strength gypsum from gypsum-containing wastes of sulfur production-flotation tailings. Academicia: An International Multidisciplinary Research Journal, 10(10), 724-728.

INNOVATIVE TECHNOLOGICA

METHODICAL RESEARCH JOURNAL

ISSN: 2776-0987 Volume 2, Issue 11, Nov., 2021

- 18. Adilhodzhaev, A., Igamberdiev, B., Kodirova, D., Davlyatov, S., Marufjonov, A., & Shaumarov, S. (2020). The study of the interaction of adhesive with the substrate surface in a new composite material based on modified gypsum and treated rice straw. European Journal of Molecular & Clinical Medicine, 7(2), 683-689.
- 19.Usarov, M. K., & Mamatisaev, G. I. (2020, November). Calculation on seismic resistance of box-shaped structures of large-panel buildings. In IOP Conference Series: Materials Science and Engineering (Vol. 971, No. 3, p. 032041). IOP Publishing.
- 20. Абдуллаев, И. Н., Юнусалиев, Э. М., & Рахманов, Б. К. (2020). Вопросы жилищно-гражданского строительства в ферганской долине. In Наука и инновации в строительстве (pp. 207-215).
- 21. Бахромов, М. М., Отакулов, Б. А., & Рахимов, Э. Х. У. (2019). Определение сил негативного трения при оттаивании околосвайного грунта. European science, (1 (43)).
- 22.Goncharova, N. I., & Abobakirova, Z. A. (2021). Reception mixed knitting with microadditive and gelpolimer the additive. Scientific-technical journal, 4(2), 87-91.
- 23. Мамажонов, А., & Косимов, Л. (2021). Особенности свойств цементных систем в присутствии минеральных наполнителей и добавки ацетоноформальдегидной смолы. Грааль Науки, (5), 102-108.
- 24. Goncharova, N. I., & Turopov, M. (2019). Optimization of the structure of cement concrete with activated liquid medium. Scientific-technical journal, 22(3), 60-64.
- 25. Tolkin, A. (2020). Reconstruction of 5-storey large panel buildings, use of atmospheric precipitation water for technical purposes in the building. The American Journal of Applied sciences, 2(12), 86-89.
- 26.Axmedov, T. (2021). Gotika uslubining arxitekturadagi ahamiyati. Scientific progress, 2(6), 1305-1310.
- 27. Mahkamov, Y. M., & Mirzababaeva, S. M. (2020). Strength of bending reinforced concrete elements under action of transverse forces under influence of high temperatures. Academicia: An International Multidisciplinary Research Journal, 10(5), 618-624.
- 28. Мамажонов, А. У., Юнусалиев, Э. М., & Абобакирова, З. А. (2020). Об опыте применения добавки ацф-3м при производстве сборных железобетонных

INNOVATIVE TECHNOLOGICA METHODICAL RESEARCH JOURNAL

ISSN: 2776-0987 Volume 2, Issue 11, Nov., 2021

- изделий. Іп Энерго-ресурсосберегающие технологии и оборудование в дорожной и строительной отраслях (рр. 216-220).
- 29. Asrorovna, A. Z. (2021). Effects Of A Dry Hot Climate And Salt Aggression On The Permeability Of Concrete. The American Journal of Engineering and Technology, 3(06), 6-10.
- 30.Umarov, S. A. (2021). Development of deformations in the reinforcement of beams with composite reinforcement. Asian Journal of Multidimensional Research, 10(9), 511-517.
- 31. Nabiev, M., GM, G. S. Q., & Sadirov, B. T. (2021). Reception of improving the microclimate in the houses of the fergana valley. The American Journal.
- 32. Gayradjonovich, G. S., Mirzajonovich, Q. G., Tursunalievich, S. B., & Ogli, X. A. M. (2021). Corrosion State Of Reinforced Concrete Structures. The American Journal of Engineering and Technology, 3(06), 88-91.
- 33.Ogli, X. A. M. (2021). Construction Of Flexible Concrete Elements In Buildings. The American Journal of Engineering and Technology, 3(06), 101-105.
- 34. Tolqin, A. (2021). Ancient greek and ancient rome architecture and urban planning. The American Journal of Engineering and Technology, 3(06), 82-87.
- 35. Махкамов, Й. М., & Мирзабабаева, С. М. (2019). Температурные прогибы железобетонных балок в условиях воздействия технологических температур. Проблемы современной науки и образования, (11-1 (144)).
- 36.Mamajonov, A. U., Yunusaliev, E. M., & Mirzababaeva, S. M. (2020). Production test for producing porous filler from barkhan sand with additives of hydrocastic clay and oil waste. Academicia: An International Multidisciplinary Research Journal, 10(5), 629-635.
- 37. Турсунов, С., Рахмонов, Б. К., Мирзабабаева, С. М., & Игнатова, О. А. (2018). Исследование физико-механических свойств термообработанной древесины тополя. Труды Новосибирского государственного архитектурностроительного университета (Сибстрин), 21(2), 127-139.
- 38.Mirzaakhmedova, U. A. (2021). Inspection of concrete in reinforced concrete elements. Asian Journal of Multidimensional Research, 10(9), 621-628.
- 39.Usarov, M., Ayubov, G., Mamatisaev, G., & Normuminov, B. (2020, July). Building oscillations based on a plate model. In IOP Conference Series: Materials Science and Engineering (Vol. 883, No. 1, p. 012211). IOP Publishing.