

Mouth Ore feeding mouth	Don't talk with your mouth full.	If the granularity of the mineral particles of the crushed materials is much too big, it may stuck at the feeding mouth and cannot go into the crushing chamber.
Liberate	Laptop computers could liberate workers from their desks.	The main task of grinding it is mineral liberation .
Grade	The junior secondary school goes up to grade ten.	Grade it is one of the most important criteria of beneficiation.
Tail Tailings	The driver had driven in circles and down every back alley he could find until July was confident there was no one tailing them.	The products of the separation are concentrate and tailings if only two products are made.
Overflow	The square below and the streets overflow . The fields were overflowed with the heavy rain.	Class overflow it is feed for the first stage of magnetic separation.
Yield	Peace can only come about if each side agrees to yield to the other.	The yield of the enrichment of the product is called product weight to weight ratio of recycled starting material.

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REVIEW OF RETAINING WALL OF A SPECIAL TYPE CONSTRUCTIVE SOLUTIONS

Retaining walls are widely used not only in civil, industrial, road, rail and hydraulic engineering, but also in urban design for complex landscapes. There are situations when a building should be constructed under specific conditions, in the adverse stress areas of active deformation influences, that makes it difficult to use the available types of construction of retaining walls.

As for the town of Kryvyi Rih technogenetics impacts on the geological environment by mining works higher than in other neighboring cities. It should be noted that iron ore mining has been performed for about 200 years, up to 47% is a mined area. In modern practice of building facilities under cramped conditions in areas prone to the adverse physical and geological processes, complicated designs of available types of retaining walls are used. There are extremely unfavorable combination of forgery of soil subsidence, flooding and that's why in order to protect the complex settlements, industrial projects, service media and transport communications with a certain level of security it is necessary to use a special type of engineering structures that are perceived to impact variable geological, natural and man-made factors.

In adulteration areas and soil subsidence, under the complex deformations bases are not always possible to implement existing technical solutions as they are not adapted to these conditions. The current design of retaining walls are not designed for additional efforts from the horizontal shift of the soil, which causes the concentration of pressure at the bottom and therefore leads to destruction of the structure.

To protect the area from the collapse new construction of a retaining wall of a special type is proposed. It is an improved retaining wall construction type of angle form on account on contact surfaces of cavities on the front plate of the soil, which reduces the peak contact stresses at the surface by redistributing pressure evenly to the ground. "Arch effect" is used that allows to evenly compress the soil with the same level of pressure to the prismatic retaining wall in all areas that contact with soil.

Cavities are made in the form of pyramids of equal size, have a regular structure, ensure the formation of compacted core values and a certain redistribution of exercise pressure on the front plate retaining wall is done. For smooth deformation influences on the perception of bias soil, the sides are made by curved cavities. To reduce the operating forces of friction side faces are covered by antifrictional layer. To seal the soil in the early stages of a retaining wall work, a separating layer of elastic-compliant is placed between cavities and soil near.

Considered retaining wall has structural features and the applica-

tion in construction in difficult geological conditions reveals a number of advantages in operation and reliability.

References

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SOFTWARE APPLICATION FOR SYSTEM WORK MODELING "BASIS - ENGINEERING STRUCTURES"

In recent years, as the exhaustion of areas takes place that are most conducive to construction, it becomes more widespread construction in areas under difficult conditions (fake site, the foundations which are settling, karst areas and areas that are flooded), that are characterized by large irregular deformation of soils. Calculation methods that traditionally used in the design cannot meet all requirements of the exploitation. In recent decades, many countries widely use programs that are based on the finite element method. These programs have very broad in application and it is possible to determine the stress-strain state, including constructions, and in "basis - engineering construction" some of which are shown below.

SolidWorks is the core of integrated set of CAD. Tasks that are to be solved: hybrid parametric modeling, design parts, assemblies and products considering specific manufacturing, rapid analysis, design