showed the soil capacity for additional compaction. In the loams close in composition to the sandy loams, the final density depends on the optimum compactibility of the component sand and coarse silt particles, the load, and the degree of saturation. In the water-saturated clayey soils with predominant content of clay and fine silt particles, compaction under a load of 0.2–0.3 MPa develops until a density for which the void ratio corresponds to $e = \gamma_s w_{pL}$ is reached (γ_s is the specific gravity and w_{pL} is the plastic limit).

By processing the results of tests of diverse soils subjected to repeated freezing and thawing, it is possible to obtain approximate relations for determining the deformations of bases according to the physical characteristics of the soils.

CONCLUSIONS

1. The increase in the pressure on the soil under foundations and in their construction depth lowers the heave and enlarges the zone of seasonally frozen soil without signs of swelling. When the soil thaws in the base of a loaded foundation, additional settlement takes place.

2. The increase in the construction depth of the foundations in the zone of seasonal freezing results in a decrease in the effect, on the foundation heave, of the position of the ground water level with respect to the depth of freezing.

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ERRATA

In I. Z. Lobanov's article "Effect of stress-strain state on deformation characteristics of sandy soil" (No. 1, 1982), some errors were made. The text should read as follows: page 33, line 7 from the bottom "... range $\Delta\sigma_1$ and $\Delta\sigma_2 \dots$ "; on page 33, line 5 from the bottom "... ranges $\Delta\sigma_1 \dots$ "; and on page 35, line 26 from the top " $d\sigma_1$."