

## GEODETIC OVERSEEING BY BUILDING SETTLEMENTS WITHIN CARRYING OUT GEOTECHNICAL MONITORING

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Results of the long natural geodetic overseeing by development of settlements of one of houses constructed on the natural basis on the territory of the Tyumen region are presented in article. Schedules of development of settlements during realization of geotechnical monitoring are provided. Explicitly the method and measuring instruments controlled parameter applied at geotechnical monitoring on this object is described. According to engineering-geological researches comparison of the actual settlements with results of the forecast of development of average draft of the building in time according to the theory of filtrational consolidation is executed. It is noted that existence of nonuniformity of settling of the building, during observation, is caused by different engineering-geological conditions of the basis. The results received when performing geotechnical monitoring of the studied object will be the basis for systematization of data array and formation of the general base of overseeing by settlements of buildings in the territory of the Tyumen region.

**Key words:** geodetic observations, geotechnical monitoring, settling of the building, deformation, geometrical leveling, list, sensors, forecast, theory of filtrational consolidation, method of layer-by-layer toting.

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