



## **SITE INVESTIGATION FOR URBAN PLAN REVISION (KEPEZ AND SANTRAL DISTRICTS, ANTALYA –TURKEY)**

### **Summary:**

*The urbanization has accelerated with population growth. However, fast urbanization has led to distorted urbanization. As a result, natural events such as earthquakes, floods and landslides have become a disaster. Urban Plan Revision have begun to minimize such as disasters and also to create livable - modern cities. One of these urban plan revision studies, which have been started throughout the country, is also carried out in Antalya and this project named as "Urban Plan Revision of Antalya Province Kepez and Santral Districts". Kepez - Santral District is within the borders of Antalya Kepez Municipality. The whole project area is located on tufa which is a kind of sedimentary rocks and made up of calcium carbonate formed by water. The engineering properties and behaviors of tufa vary depending on locations and formation conditions. Therefore, a detailed geotechnical investigation was required. This project covers 132.7 ha area. A total of 146 drillings, 146 seismic layouts and 73 DES works have been carried out by a private firm. The study area is included by 2<sup>nd</sup> degree earthquake zone. The aim of this investigation is to form geological, hydrogeological, engineering geological and geotechnical models of the area and to create a land-use map for project district. The "land-use map" shows land distributions according to usage like residential and commercial areas; parks and recreation zones; social parts and so on..*

### **Key words:**

*Urban Plan Revision, Site Investigation, Land-Use Map, Antalya.*

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