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Important Elements of Site Investigation

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Article published on June 12th 2012 | Real Estate

Site investigation allows engineers to understand the subsurface conditions of the site allocated for construction. It is also referred as geotechnical investigation because it includes finding important properties of soil like depth and thickness of soil stratum along with the groundwater composition. Below are discussed some important aspects of site investigations. Have a look:

Importance of site investigation

Find out sustainability of a given site for upcoming project.

For preparing practical, safe and economical design for the project.

What are the possible difficulties encountered in a given project and best measures to solve them?

The sustainability of soil and rock that will be used for the construction.

How to plan for site investigation?

One has to plan for site investigation and generally these are performed by experienced civil engineers or geotechnical experts. There are a lot of important steps to be accomplished described in this section.

Site inspection is the first step of the process that deals with the assessment of site condition. The main motive of this process is to find out any possible difficulties that may arise in future construction.

The engineer will look out for different important factors related to the soil including the basic terrain of the soil, type of vegetation around the site, presence of swamp, any kind of water runoff etc.

Sub-surface investigations are completed with boring, testing, sampling and similar steps for analyzing the soil. Any kind of pertinent features of soil are exposed in this part of site investigation.

Site investigations can be really successful and result oriented if planned by a group of expert engineers. Site investigation is important to reduce the uncertainty factor in any type of construction project.

Article Source:
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Article Keywords:
site investigation, site investigations

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