Site Exploration and Characterization

QUESTIONS AND PRACTICE PROBLEMS

Introduction

3.1 Define site exploration and site characterization.

Solution

Site exploration is the exploration of the subsurface using borings and other techniques to identify the materials in the subsurface. Site characterization is to characterize the properties of the subsurface materials by testing recovered samples in the laboratory or performing in situ tests.

3.2 List in chronological order the steps involved in performing a site exploration and characterization program.

Solution

- 1. Project assessment
- Literature search
- Field reconnaissance
- Subsurface exploration: drilling and sampling, groundwater exploration and monitoring, and in situ testing
- 5. Ex situ or laboratory testing
- 6. Synthesis and interpretation

Section 3.1 Project Assessment

3.3 What information should be gathered for the planning of a site exploration and characterization program?

Solution

- 1. The types, locations, and approximate dimensions of the proposed improvements.
- The type of construction, structural loads, and allowable settlements.
- 3. The existing topography and any proposed grading.
- 4. The presence of previous development on the site, if any.

Section 3.2 Literature Search

3.4 What information can be obtained from geologic maps?

Site Characterization And Exploration

Michael R. Lindeburg

Site Characterization And Exploration:

Unveiling the Power of Verbal Artistry: An Emotional Sojourn through Site Characterization And Exploration

In some sort of inundated with screens and the cacophony of instantaneous communication, the profound energy and mental resonance of verbal beauty often diminish into obscurity, eclipsed by the regular barrage of noise and distractions. However, located within the lyrical pages of **Site Characterization And Exploration**, a fascinating function of literary beauty that pulses with raw thoughts, lies an unique trip waiting to be embarked upon. Written by a virtuoso wordsmith, this mesmerizing opus guides visitors on an emotional odyssey, delicately exposing the latent possible and profound affect embedded within the delicate web of language. Within the heart-wrenching expanse with this evocative examination, we will embark upon an introspective exploration of the book is central subjects, dissect their captivating writing type, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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