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(57) Abstract :

The present invention describes a system (100) and method (200) for assessing of the suitability of soils for construction. The system (100) ensures quality assurance throughout the construction process. By testing soil samples at different stages, the system (100) verifies compliance with specifications and standards, allowing for early detection of deviations or issues and prompt corrective actions. The system (100) aids in achieving optimal design by considering the soil's load-bearing capacities and behaviors. Different soil types require different foundation designs, and by understanding the soil's characteristics through testing, users can optimize the design for stability and durability. The system (100) ensures compliance with these regulations and facilitates the acquisition of permits and approvals. The system (100) additionally provides documentation and evidence of due diligence in legal or insurance-related matters.

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