



# SOIL INVESTIGATION

## Why a Soil Investigation is important:

The foundation of a properly performing Athletic Field is the soil. Whether you are planning to build a field, renovate a playing surface, or investigate field quality issues, success starts with understanding your soil.

As the growing medium for your Athletic Field, the soil is critical for field safety, playability, and sustainability. A Soil Investigation will help you make informed decisions that positively impact your athletes, budgets, and maintenance practices for years to come.

## How Tom Irwin Advisors will help:

Using scientific examination, specialized tools, and laboratory testing, our team of experts will investigate your soil's ability to meet industry standards and community expectations.

## What we do for you during a Soil Investigation:

- **Site Evaluation** – A review of the general site conditions noting elevations, vegetation, and surface quality.
- **Soil Profile Test Pit** – A careful excavation to observe and photograph the soil layers from the thatch to the sub-base. The layers are tested for infiltration and compaction. Soil

samples may be extracted at different depths for further laboratory analysis.

- **Complete Nutrition Tests** – Laboratory tests determining the nutrient content in the soil and the plant's ability to utilize it.
- **Complete Physical Soil Tests** – Laboratory tests determining the physical characteristics of the soil and how they affect its performance.
- **Undisturbed Core Analysis** – Multiple two-inch diameter core samples which simulate how your soil performs in its current location.
- **Amendment Evaluation** – Determination of the amendments needed to enhance your soil's physical and biological performance.
- **Blend Analysis** – If required, laboratory analysis is used to determine the type and quantity of soil components needed to produce your desired rootzone.

Once our investigation is complete, you will receive a personalized **Soil Investigation Report:**

This details our findings and test results, and provides the solutions necessary to enhance the performance of your soils.

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TOM IRWIN ADVISORS

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Understand the properties of your soil and how they can enhance your field's performance by contacting Ian Lacy at **781-999-4320** or [ianlacy@tomirwinadvisors.com](mailto:ianlacy@tomirwinadvisors.com)