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# Soil Compaction and Geotechnical Test Inspection Checklist

Interactive checklist for inspecting soil compaction and geotechnical tests before foundation works. Tick, comment, and export as PDF/Excel.

Project:

Date:

Filled by:

## Pre-Inspection Preparation

1	Gather all necessary soil test reports and equipment.
2	Ensure all safety gear is available and worn by the inspection team.

## Compaction Testing

3	Perform a Proctor Test to determine the soil's optimal moisture content and maximum dry density.
4	Verify soil compaction using a nuclear density gauge or sand cone test.
5	Check for uniform compaction across the site to avoid differential settling.

## Geotechnical Analysis

6	Review geotechnical reports for information on soil bearing capacity.
7	Assess soil moisture content to ensure it is within acceptable limits.
8	Examine soil shear strength reports for any potential issues.

## Report Review

9	Ensure all test results meet project specifications and address any discrepancies.
10	Document any areas requiring additional compaction or testing.

## Final Sign-Off

11	Obtain digital sign-off from all relevant stakeholders on the inspection results.
12	Archive the completed checklist with digital signatures and QR code for future reference.

**Comments:**

Filled by:

Signature:

Introduction	How to use this checklist
<p>Inspecting soil compaction and geotechnical test results is a critical step before commencing foundation works. It involves assessing the soil's ability to support structures, ensuring that it meets the necessary compaction standards and geotechnical parameters. This checklist outlines the key tasks to verify soil conditions, including compaction tests, moisture content checks, and review of geotechnical reports. By following this guide, construction projects can mitigate risks such as foundation settling or failure, ensuring structural integrity. Utilize our interactive checklist to tick off completed tasks, add comments, and export the results as a PDF or Excel document, complete with a unique QR code for authenticity.</p>	<p>1. Prepare necessary tools and documents such as soil test reports, compaction equipment, and safety gear. 2. Click the “Use this checklist” button to launch interactive mode. 3. Tick each item online as you complete it. 4. Add comments on individual items or the entire checklist. 5. Click Share or Download to save your completed checklist as PDF or Excel.</p>