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Subgrade and Foundation Backfill Inspection Checklist

Interactive checklist for subgrade and foundation backfill inspection. Commentable, export as PDF/Excel, QR code secured.

Project:

Date:

Filled by:

Subgrade Preparation

1	Verify that the site is clear of debris and excess vegetation.
2	Check soil type and ensure it matches project specifications.
3	Measure soil moisture content to ensure it is within acceptable limits.
4	Test soil compaction using a penetrometer for adequate density.
5	Inspect for the presence of organic materials and remove if found.

Foundation Backfill

6	Select backfill material based on project specifications.
7	Compact backfill material in 8-inch layers to ensure even density.
8	Perform a density test on each layer of backfill.
9	Ensure proper drainage systems are in place to prevent water pooling.
10	Verify all backfill is free from large stones that could impede compaction.

Compliance and Documentation

11	Review local building codes and standards related to subgrade and backfill.
12	Document all inspection findings with photographs and notes.
13	Prepare a final report summarizing the inspection results.
14	Sign off the inspection report with digital signatures for authenticity.
15	Distribute the inspection report to relevant stakeholders.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
<p>Inspecting subgrade and foundation backfill is a critical phase in construction that ensures the stability and longevity of a structure. This process involves examining the soil and materials used at the base of a structure to confirm they meet specified compaction and material standards. Proper inspection prevents potential structural failures, reduces settlement risks, and ensures compliance with building codes. This interactive checklist allows you to track progress, add notes, and export your completed report as a PDF or Excel file, complete with QR code authentication for audit purposes.</p>	<p>1. Gather necessary tools such as soil moisture testers, compaction equipment, and safety gear. 2. Click the “Use this checklist” or “Start Interactive 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 download your completed checklist as PDF or Excel.</p>