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Utility Trenching Inspection Checklist

Interactive checklist for inspecting utility trenching, connections, and backfill. Comment and export as PDF/Excel with QR code security.

Project:

Date:

Filled by:

Trenching Inspection

1	Verify trench depth and width comply with project specifications.
2	Check for proper trench shoring and shielding to prevent collapses.
3	Inspect for water accumulation and ensure adequate drainage solutions are in place.

Connection Inspection

4	Ensure all utility connections are securely fitted and in accordance with the design plan.
5	Test connections for leaks and verify pressure levels meet standards.
6	Confirm electrical connections have proper insulation and grounding.

Backfill Inspection

7	Ensure backfill material is free of debris and large rocks.
8	Check for proper layering and compaction of backfill to prevent settlement.
9	Verify that backfill achieves the required compaction density.
10	Ensure backfill is completed to the correct grade level and surface finish.

Comments:

Filled by:

Signature:

Introduction

Utility trenching involves the excavation and preparation of trenches for laying utilities such as water, gas, and electrical lines. This phase includes careful inspection of trenching, connections, and backfill to ensure compliance with safety and engineering standards. Inspections cover aspects like trench depth and width, proper connection installations, and effective backfill techniques. Correct execution in these areas reduces risks of system failures and ensures long-term infrastructure reliability. Our interactive checklist allows you to tick off items, add comments, and export your completed report as a PDF or Excel file secured with a unique QR code.

How to use this checklist

1. Gather necessary tools such as measuring tapes, pressure testers, and safety gear. 2. Click the 'Use this checklist' button to start the 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.