



Soil Compaction Verification Checklist

Project Information

Details pertaining to the project and the compaction verification activity.

Project Name

Write something...

Project Location

Write something...

Contractor

Write something...

Verification Date

Enter date...

Job/Drawing Number

Enter a number...

Area Verified

- ☐ Subgrade
- ☐ Base
- ☐ Fill
- ☐ Other (Specify)

Area Description (if 'Other' selected above)

Write something...

Site Preparation & Material Verification

Confirming that site preparation has been done correctly and the fill material meets specifications.

Fill Material Source

Write something...

Material Moisture Content (%)

Enter a number...

Material Type Verified?

- ☐ Yes, Matches Specifications
- ☐ No, Requires Correction

Gradation Test Results - % Passing #200 Sieve

Enter a number...

Material Test Report (e.g., Lab Report)

 Upload File

Topsoil Stripping & Stockpiling?

- ☐ Yes, Per Plan
- ☐ No, Not Required
- ☐ No, Deviation from Plan - Explain

Describe any deviations from the approved fill material specifications or procedures.

Write something...

Equipment Calibration & Setup

Ensuring the compaction equipment is properly calibrated and configured.

Compaction Equipment Type (e.g., Plate Compactor, Roller)

Enter a number...

Compaction Equipment Manufacturer

Write something...

Compaction Equipment Model Number

Write something...

Calibration Frequency (in days/weeks/months)

Enter a number...

Last Calibration Date

Enter date...

Vibration Frequency (Hz) - if applicable

Enter a number...

Roller Amplitude (mm) - if applicable

Enter a number...

Calibration Method (e.g., Standard Weight, Deflection)

- ☐ Standard Weight
- ☐ Deflection
- ☐ Manufacturer's Procedure

Calibration Certificate (upload file)

 Upload File

Compaction Testing Procedures

Outlines steps taken to perform compaction testing.

Compaction Method Used:

- ☐ Proctor
- ☐ Modified Proctor
- ☐ Light Compaction
- ☐ Other (Specify Below)

If 'Other' method selected, please specify:

Write something...

Number of Tests Performed:

Enter a number...

Test Location (Coordinates/Description):

 Set My Current Location



Moisture Content (Initial):

Enter a number...

Moisture Content (Final):

Enter a number...

Density (Dry Density):

Enter a number...

Number of Passes (for each test):

Enter a number...

Date of Test:

Enter date...

Time of Test:

Test Results & Analysis

Recording compaction test results and verifying they meet specified requirements.

Moisture Content (%)

Enter a number...

Dry Density (lbs/ft³ or kN/m³)

Enter a number...

Compaction Level (%) of Maximum Dry Density

Enter a number...

Testing Standard Used (e.g., ASTM, AASHTO)

- ☐ ASTM
- ☐ AASHTO
- ☐ Other (Specify)

Observations during testing (e.g., visible segregation, layering)

Write something...

Does the result meet specification?

- ☐ Yes
- ☐ No
- ☐ N/A

Attach Test Lab Report (if applicable)

 Upload File

Number of Tests Conducted

Enter a number...

Corrective Actions (If Required)

Documentation of any corrective actions taken to achieve required compaction.

Describe the observed compaction deficiency.

Write something...

Detail the proposed corrective action plan.

Write something...

Estimated Volume of Material Requiring Recompaction (CY/m³)

Enter a number...

Date Corrective Action Started

Enter date...

Date Corrective Action Completed

Enter date...


Description of equipment adjustments or modifications made.

Write something...

Reason for Compaction Failure (Select one)

- ☐ Moisture Content Too Low
- ☐ Moisture Content Too High
- ☐ Insufficient Roller Passes
- ☐ Incorrect Roller Type
- ☐ Material Variation
- ☐ Other (Specify in Long Text)

Upload Photos/Videos Documenting Corrective Actions

 Upload File

Signature of Person Implementing Corrective Action

Sign-Off & Approvals

Certification that compaction verification has been completed to required standards.

Project Name

Write something...

Verification Date

Enter date...

Verification Time

Field Engineer Signature

Quality Control Supervisor Signature

Verification Status

- ☐ Pass
- ☐ Fail
- ☐ Conditional Pass

Comments / Notes (if applicable)

Write something...

Job Number/Reference

Enter a number...