

# Soil Compaction Verification Checklist

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## 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

### 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:**

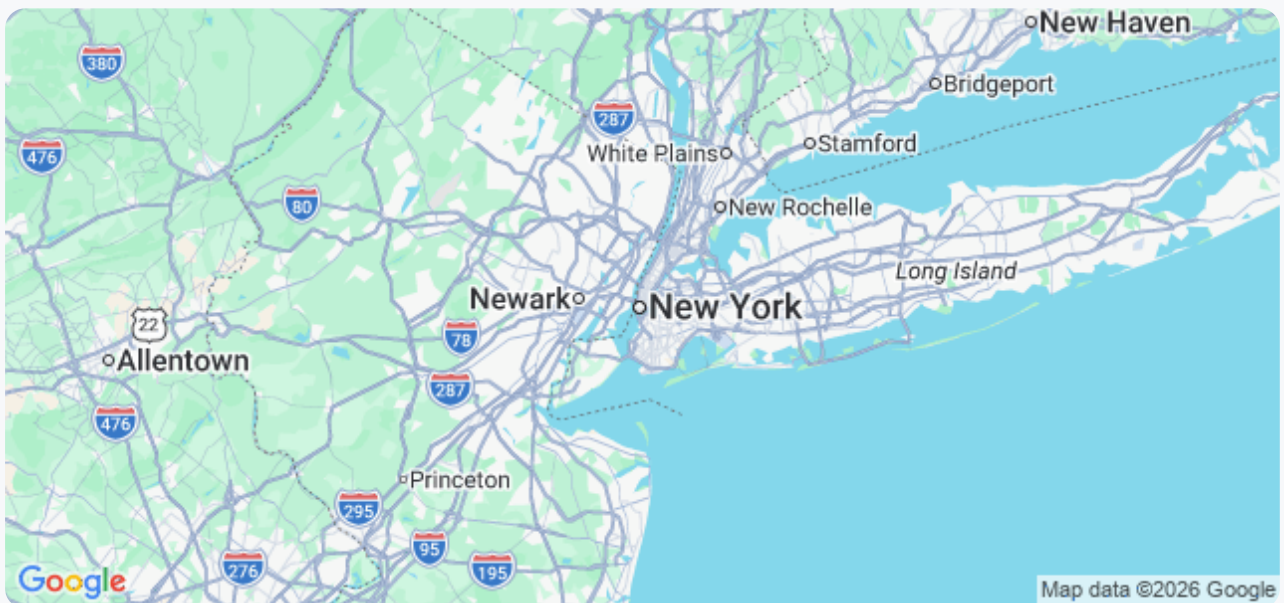
Write something...

**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:**

Enter time...

## Test Results & Analysis

Recording compaction test results and verifying they meet specified requirements.

**Moisture Content (%)**

Enter a number...

**Dry Density (lbs/ft<sup>3</sup> or kN/m<sup>3</sup>)**

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/m<sup>3</sup>)**

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**

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# Sign-Off & Approvals

Certification that compaction verification has been completed to required standards.

**Project Name**

Write something...

**Verification Date**

Enter date...

**Verification Time**

Enter 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...