

Backfilling And Compaction Checklist (Around Foundation)

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Display Style
Default 

Pre-Backfill Verification

Ensuring site conditions are suitable before backfilling begins.

Existing Ground Condition Assessment Completed?

☐ Yes

☐ No

Describe Existing Ground Condition (including any organic matter or debris)

Write something...



Existing Ground Elevation (datum)

Enter a number...

Photos of Existing Ground Conditions

 Upload File

Underground Utilities Located and Marked?

☐ Yes

☐ No

Details of Utility Location and Marking (if applicable)

Write something...

Foundation Elevation (datum)

Enter a number...

Approved Backfill Material Specified?

☐ Yes

☐ No

Material Approval and Delivery

Confirming the correct backfill material has been approved and delivered to the site.

Backfill Material Type Approved?

☐ Yes

☐ No

Material Specification Reference (e.g., project specs, ASTM standard)

Write something...

Material Test Report (MTR) - Initial Delivery

 Upload File

Quantity of Backfill Material Delivered (CY or Tons)

Enter a number...

Material Delivery Confirmation?

- ☐ Received as Specified
- ☐ Received with Discrepancies - See Notes
- ☐ Not Received

Notes on Material Discrepancies (if any)

Write something...

Date of Material Delivery

Enter date...

Backfill Material Placement

Procedures and verification related to the layering and placement of the backfill material.

Approved Backfill Material Type?

- ☐ Granular Soil
- ☐ Sand
- ☐ Crushed Stone
- ☐ Other (Specify in Long Text)

If 'Other' Material Type Selected, Specify:

Write something...

Backfill Material Moisture Content (%)

Enter a number...

Layer Thickness (inches)

Enter a number...

Placement Method Description

Write something...

Potential Hazards Addressed?

- ☐ Underground Utilities Marked
- ☐ Erosion Control Measures Installed
- ☐ Slope Stability Considerations
- ☐ Existing Structures Protected

Lot Number/Source of Backfill Material

Write something...

Compaction - Layer 1

Specific checks and activities related to compaction of the first layer of backfill.

Moisture Content (%) - Layer 1

Compaction (lbs/ft² or kN/m²) - Layer 1

Compaction Method - Layer 1

- ☐ Hand Tamper
- ☐ Plate Compactor
- ☐ Sheepsfoot Roller
- ☐ Vibratory Roller

Number of Passes - Layer 1

Layer Thickness (inches) - Layer 1

- ☐ < 6 inches
- ☐ 6-8 inches
- ☐ > 8 inches

Observations/Notes - Layer 1

Write something...

Photos/Video - Layer 1 Compaction

 Upload File

Inspector Signature - Layer 1

Compaction - Subsequent Layers

Compaction verification for all subsequent layers of backfill.

Layer Thickness (inches)

Enter a number...

Moisture Content (%)

Enter a number...

Compaction Effort (lbs/sq ft or kN/m²)

Enter a number...

Density Achieved (%)

Enter a number...

Compaction Method Used

- ☐ Plate Compactor
- ☐ Sheepfoot Roller
- ☐ Vibratory Roller
- ☐ Hand Tampor
- ☐ Other (Specify in LONG_TEXT)

If 'Other' compaction method selected, specify:

Write something...

Material Passing Sieve Size (mm)

- ☐ < 75mm
- ☐ < 50mm
- ☐ < 25mm
- ☐ Other (Specify in LONG_TEXT)

If 'Other' sieve size selected, specify:

Write something...

Density Test Results (e.g., Proctor Test)

 Upload File

Inspector Sign-Off - Subsequent Layers

Final Grading and Protection

Activities related to final grading, sloping, and protecting the backfilled area.

Finished Grade Elevation (ft)

Enter a number...

Slope/Grade at Foundation Perimeter (%),

Enter a number...

Topsoil Layer Present?

☐ Yes

☐ No

Description of Erosion Control Measures Implemented (e.g., silt fence, blankets)

Write something...

Photo Documentation of Final Grading and Protection

 Upload File

Protection from Precipitation Applied?

☐ Yes

☐ No

Details of Precipitation Protection (e.g., tarp covering area, type of tarp)

Write something...

Documentation and Sign-Off

Record keeping and formal sign-off procedures for completion of the backfilling process.

Backfilling Start Date

Enter date...

Backfilling Completion Date

Enter date...

Number of Compaction Tests Performed

Enter a number...

Summary of Compaction Test Results (including test locations and pass/fail status)

Write something...

Material Type Verified?

☐ Yes

☐ No

Compaction Requirements Met?

☐ Yes

☐ No

Foreman Signature

Inspector Signature

Project Identifier/Reference Number

Write something...