READY TO INSPECT — FIELD CHECKLIST

Excavation support and shoring final inspection checklist

Excavation support and shoring final inspection is where the punch list is either short or expensive. This checklist walks the finished work the way an owner or AHJ will see it: devices on, systems running, everything labeled. Each item gets the photo that closes it instead of reopening it. Work is commonly verified against the project geotechnical report and specifications, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the shoring engineer, walking the exposed wall before foundation work starts against it. When: After the excavation is at final subgrade and the support system is complete, before the permanent foundation and walls are built against the shoring.

Alignment and condition

- [ ] Completed wall alignment and plumb verified
  Wall face surveyed for line and plumb along the run, deviations compared against the design tolerance, no bulging bays or racked members.
  2 photos required
- [ ] Wall condition sound before the permanent structure ties in
  Members, lagging and connections intact at final grade, no soil loss or voids at the face where foundation work will bear.
  2 photos required
- [ ] Wall clear of the permanent foundation and wall lines
  Measured from subgrade once the competent person's inspection for the day is recorded; wall face, wales and anchor heads clear of the permanent footing and wall lines.
  1 photo required
- [ ] Toe of the wall intact at final subgrade
  Checked from subgrade once the competent person's inspection for the day is recorded; soil at the member bases undisturbed, with no overexcavation, scour or undercutting.
  1 photo required
- [ ] Anchor heads and brace connections show no distress at full depth
  Where anchors or braces are used, bearing plates, wedges, wale stiffeners and strut ends looked at for bending, rotation or slipped wedges now the cut is complete.
  No photo required

Monitoring and drainage

- [ ] Monitoring and survey points established and read
  Survey and monitoring points set on the wall and adjacent structures with a baseline reading logged and a trend where lifts have passed.
  1 photo required
- [ ] Drainage provisions in place behind the wall
  Weeps, drainage board or collection specified behind the wall present and clear before the permanent wall closes the space off.
  1 photo required
- [ ] Base of the wall checked for seepage and standing water
  Lagging joints or sheet interlocks and the wall base looked at from subgrade for seepage and ponding, with any fines washing out reported to the shoring engineer.
  1 photo required

Records and handoff

- [ ] Shoring engineer's full-depth observation report on file
  Written field observation from the shoring engineer covering the completed system at final subgrade, with any open items listed for the GC.
  No photo required

- [ ] Tieback test records complete and matched to anchor numbers
  Where tiebacks are used, proof and performance test records for every production anchor collected and matched to the numbering on the shoring drawings.
  No photo required
- [ ] Competent person's records continuous from first lift to subgrade
  Daily excavation inspection records present for every working day of the dig, including rain days and days after a condition change, with no gaps.
  No photo required
- [ ] Members staying in place or coming out agreed with the foundation crew
  Which piles, sheets, anchors and lagging remain or are removed matches the shoring submittal and the permanent design, and is marked on the drawings.
  No photo required