READY TO INSPECT — FIELD CHECKLIST

Deep foundations punch checklist

Deep foundations punch is where small misses become callbacks after the crew has demobilized. This checklist walks the finished work the way the owner and the next trade will see it, with the photo that closes each item instead of a note that reopens it. Work is commonly verified against ACI, the project geotechnical report and specifications. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the geotechnical rep, resolving flagged elements against the engineer's direction.
When: After the final walk flags deficient elements, before pile caps are placed and the foundation is buried.

Corrections

- [ ] Out-of-tolerance heads corrected per engineer direction
  Each flagged element resolved with an engineered fix (added pile, cap redesign or approved repair) and documented, not just accepted.
  2 photos required
- [ ] Damaged reinforcement or heads repaired
  Bent dowels straightened or replaced, spalled or fractured concrete repaired per the approved method, photographed after repair.
  1 photo required
- [ ] Added or replacement elements logged like production elements
  Any pile or shaft added by the engineer's fix has its own installation log, cutoff and as-built survey, not a note on the original element's record.
  No photo required
- [ ] Every head walked again after forming, with new damage noted
  Each head looked at after equipment and form crews have worked around it; new cracking, bent dowels or knocked heads written up before the cap pour.
  1 photo required

Site and neighbors

- [ ] Cut-offs, spoil and drilling waste cleared from the foundation area
  Pile cut-offs, drilling spoil, slurry and broken concrete hauled off or placed where the site plan allows, with slurry or spoil pits backfilled.
  1 photo required
- [ ] Rig pads and haul routes regraded where the rigs worked
  Rig mats, ruts and working-platform stone cleared or regraded as the site plan calls for, leaving firm ground around the heads for cap and grade beam work.
  1 photo required
- [ ] Final reading taken on adjacent-structure monitoring
  Where vibration or settlement monitoring of neighboring structures was required, the last reading is logged and compared with the baseline, and exceedances reported.
  No photo required

Documentation

- [ ] Installation records assembled for the closeout package
  Driving logs, drilling and concrete records, test reports and as-builts collected per element before the foundation is closed out.
  1 photo required
- [ ] Nonconformance log closed with the engineer's disposition on each item
  Each flagged element on the foundation nonconformance log shows the engineer of record's written disposition and the date the correction was completed.
  No photo required